1000 SERIES

8 HP Rider
Mfg. No. 1691111
Mfg. No. 1691552

10 HP Rider
Mfg. No. 1691113
Mfg. No. 1691995
Mfg. No. 1691539

30" Mulching Mower
Mfg. No. 1691992

30" Mower
Mfg. No. 1691147
Mfg. No. 1691438

36" Mower
Mfg. No. 1691148

Attachments & Accessories

PARTS MANUAL

DEUTZ-ALLIS®
LAWN & GARDEN EQUIPMENT

1174

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Simplicity
Outdoor Power Equipment

DEUTZ ALLIS®
LAWN & GARDEN EQUIPMENT

This is a supplement to the following Parts Manuals and will be included in the next update.

REG & 3100 Riders & Attachments
TP-1098-05

Products Used On:
REG, 3100, Cavaliers

1000 Series Riders & Attachments
TP-1174

Products Used On:
1000 Series Rear Engine Riders

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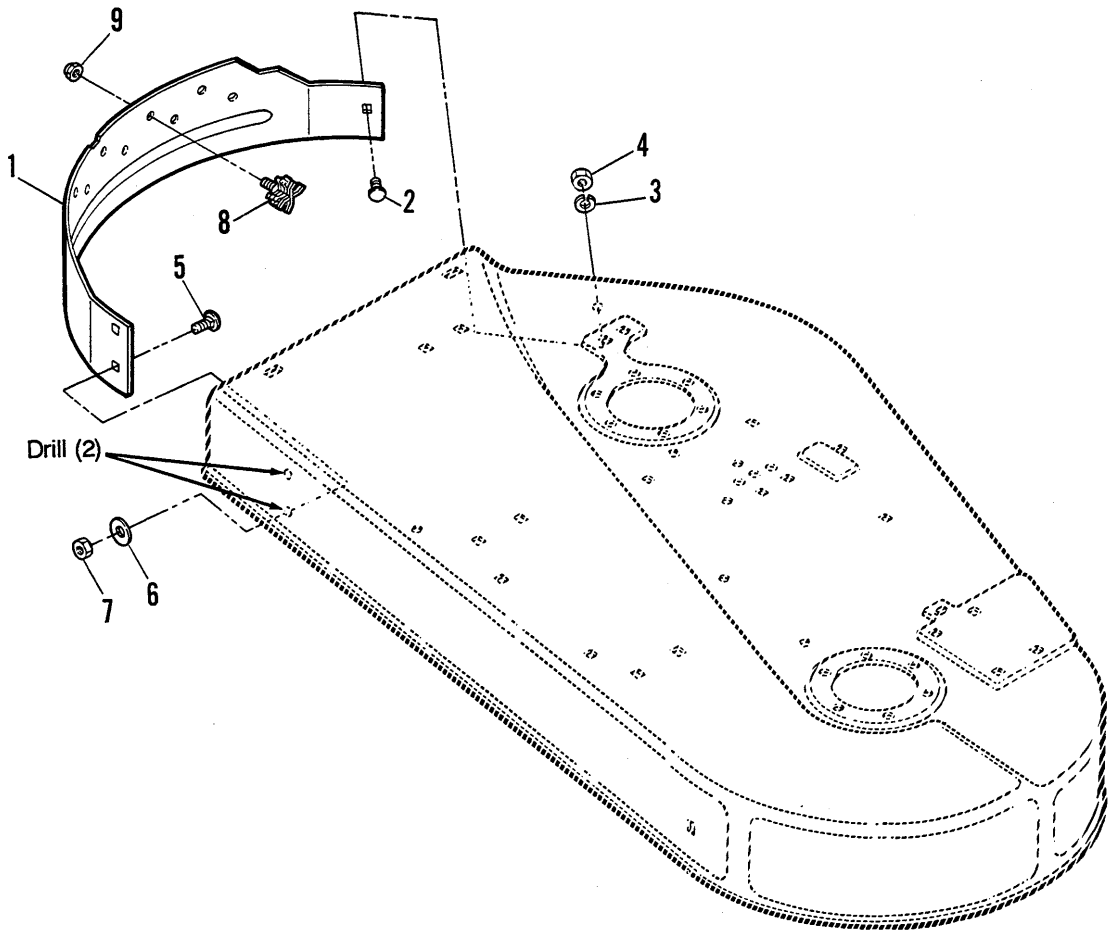
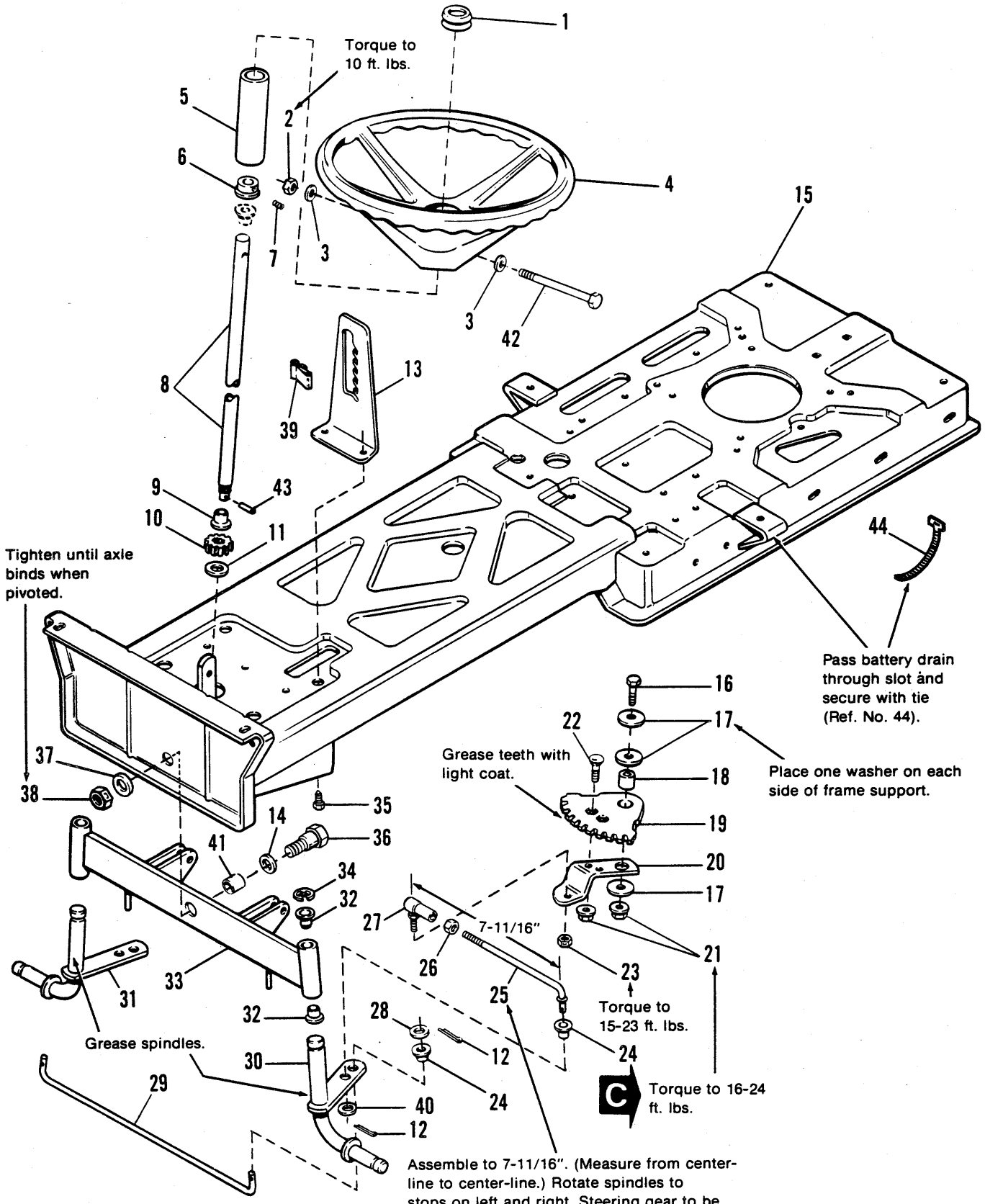
(Supplement to TP-1098-05)
PRINTED IN USA
4/92

TP-1174S
(Supplement to TP-1174)
PRINTED IN USA
4/92

**2289



Ref. No.	Part No.	Qty.	Description
1	1707992	1	BAFFLE, Discharge
2	1931317	1	CARRIAGE BOLT, 1/4-20 x 3/4"
3	1916964	1	LOCKWASHER, 1/4
4	1916622	1	NUT, Hex, 1/4-20
5	1931333	2	CARRIAGE BOLT, 5/16-18 x 3/4"
6	1917356	2	LOCKWASHER, 5/16
7	1917372	2	NUT, Hex, 5/16-18
8	1707684	8	SHREDDERS, Leaf
9	1919438	8	NUT, Hex, Plastite, 5/16-18



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1657017	1	CAP, Steering Wheel
2	1923362	1	LOCKNUT, Hex, Jam, 5/16-18
3	1919326	2	WASHER, 5/16
4	1670989	1	STEERING WHEEL
5	1667228	1	TUBE, Steering
6	1666258	1	COLLAR, Set
7	1928691	1	SETSCREW, Plated, 5/16-18 x 5/16
8	1701476	1	SHAFT, Steering
9	176440	1	BUSHING, Nylon
10	1666687	1	PINION, Steering
11	1918431	1	WASHER, Plain, 1/2
12	1918452	3	PIN, Cotter, 1/8 x 1
13	1665823	1	QUADRANT
14	1960154	1	WASHER, Plain
15	1672196	1	FRAME ASSEMBLY
16	1923701	1	CAPSCREW, Hex, 13/16 x 2
17	1924356	3	WASHER, Plain, 13/32 x 1-1/2
18	1666332	1	SPACER
19	1666686	1	GEAR, Steering
20	1666672	1	ARM, Steering Gear
21	1930645	3	LOCKNUT, Hex, Flange, 3/8-16
22	1922785	2	BOLT, Carriage, 3/8-16 x 7/8
23	1668927	1	LOCKNUT, Hex, 3/8-24
24	1665819	3	BUSHING
25	1665820	1	DRAG LINK
26	1918403	1	NUT, Hex, Jam, 3/8-24
27	1669567	1	BALL JOINT
28	1924940	3	WASHER, Plain, 3/8
29	1665818	1	ROD, Tie
30	1664257	1	SPINDLE ASSY., L.H.
31	1664258	1	SPINDLE ASSY., R.H.
32	176440	4	BUSHING, Nylon
33	1665058	1	AXLE ASSY.
34	1927794	2	E-RING, Retaining (3/4 dia. shaft)
35	1924856	2	SCREW, Taptite, 5/16-18 x 1/2
36	1935273	1	CAPSCREW, Hex Hd., 1/2-20 x 1-1/2
37	1669570	1	WASHER, Spring
38	1930633	1	LOCKNUT, Hex, Jam, 1/2-20
39	1935112	1	CLIP
40	1924940	1	WASHER, Plain, 3/8
41	1669565	1	SPACER
42	1925690	1	BOLT, Hex, 5/16-18 x 3-1/2
43	1926228	1	PIN, Spring
44	932747	1	TIE, Self-Locking

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CHAIN ASSY. & ADJUSTMENT
Assemble master link with closed end of clip facing in the direction of forward chain movement. (With cap-screw (Ref. No. 32) loose, rotate axle sprocket counter-clockwise, while holding nylon roller (Ref. No. 34) against the chain, until the farthest forward position of the roller is located. At this point hold the nylon roller firmly against the chain while tightening cap-screw (Ref. No. 32).

Transmission must remain in neutral when shift rod with grip is against upper and lower vertical neutral stops of the body slot. With transmission in neutral, shift rod must be within 5/16" maximum of the lower vertical stop in the body slot when forward free play is removed.

Assemble thread forming screw carefully in aluminum transmission cover.

Start taptite screws into transmission but do not tighten until transmission (Ref. No. 18) and support (Ref. No. 20) are bolted to the frame.

Grease

Linkage must pivot freely.

Grease

Retainer nuts (Ref. No. 23) to be installed with tabs facing forward and back as shown.

See page 58 for parts.

Coat with Anti-Seize compound.

Torque to 20-40 ft. lbs.

Coat engine crankshaft with Anti-Seize compound.

Torque to 14-20 ft. lbs. Hub facing up.

Coat with Anti-Seize compound.

Assemble 1/8 - 3/16" from lower pulley.

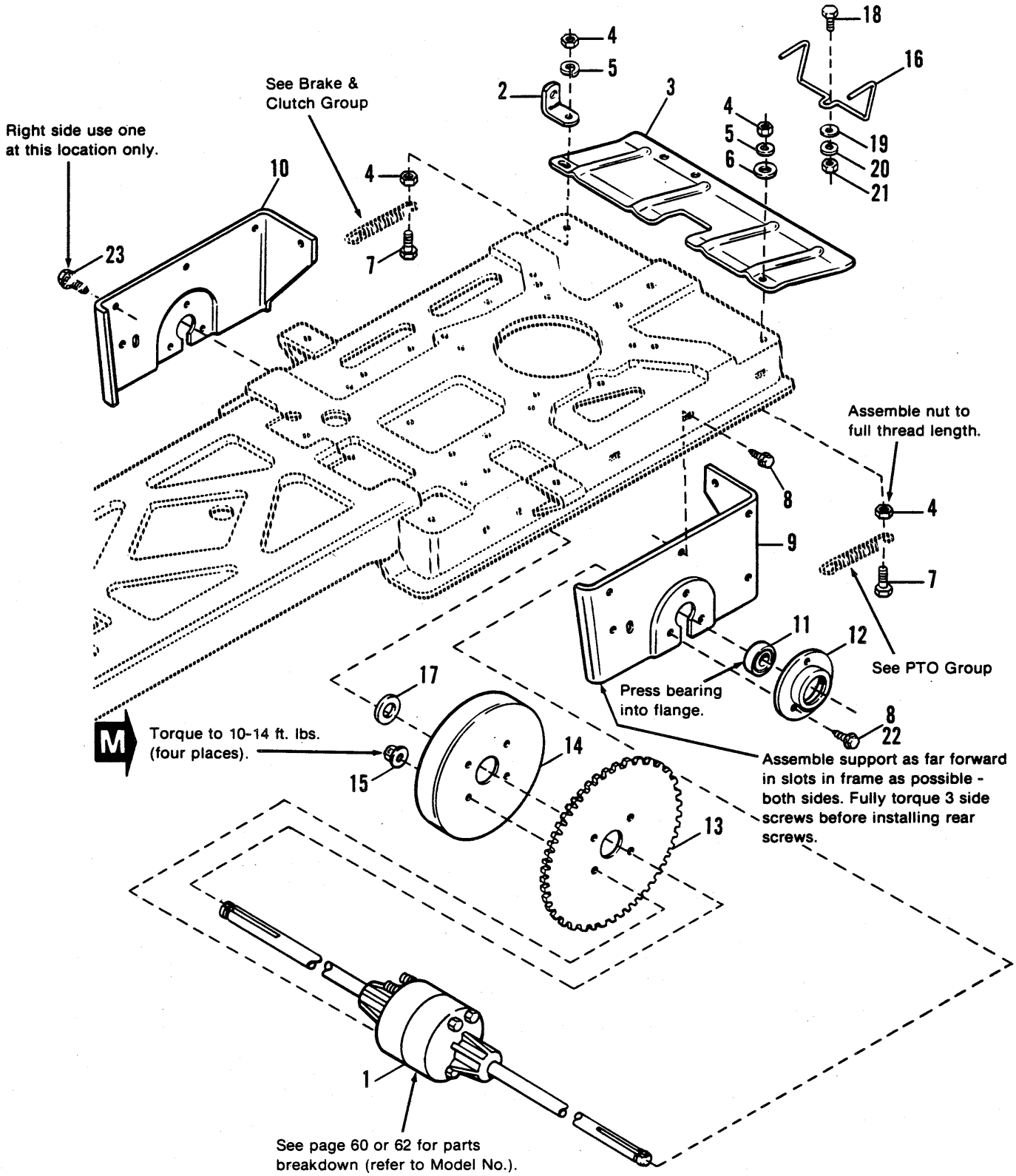
Assemble Ref. No. 42 pulley with long hub down.

Index 1/16 - 1/8" from belt when engaged.

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	176933	1	GRIP, Handle
2	1664973	1	ROD, Shift
3	1916950	3	NUT, Hex, 3/8-16
4	1916965	3	LOCKWASHER, 3/8
5	1922611	1	WASHER, Plain, 13/32
6	1960074	2	CLIP, Hairpin
7	1663554	1	PIVOT, Shift
8	1664847	1	SCREW, Hex, Taptite, 5/16-18 x 3/4
9	1921319	2	WASHER, Plain, 1/4
10	1665844	1	SPACER
11	108717	1	SPACER
12	1922234	1	CAPSCREW, Hex, 1/4-28 x 5/8
13	1916964	1	LOCKWASHER, 1/4
14	1921333	2	CAPSCREW, Hex 5/16-18 x 1
15	1663555	1	LINK, Shift
16	1921210	1	CAPSCREW, Hex, 3/8-16 x 1
17	1665694	1	CHAIN, Roller
*18		1	TRANSMISSION, 5-Speed
19	1919326	2	WASHER, Plain, 5/16 (1691995, 1691539, 1691552 only)
20	1665692	1	SUPPORT, Transmission
21	927429	2	SCREW, Hex, Taptite, 1/4-20 x 5/8 (Zinc Plt.)
22	1921332	3	CAPSCREW, Hex, 5/16-18 x 3/4
23	920470	2	NUT, Retainer, 5/16-18
24	1667226	1	BELT STOP ASSY.
25	1917356	5	LOCKWASHER, 5/16
26	1917372	3	NUT, Hex, 5/16-18
27	1928635	4	SCREW, Hex, Taptite, 3/8-16 x 1-1/4 (Mfg. No. 1691111, 1691113)
	1930598	3	SCREW, Hex, Taptite, 3/8-16 x 1-1/2 (Mfg. No. 1691995, 1691539, 1691552)
28	1666437	1	ENGINE PULLEY ASSY.
29	1918199	1	LOCKWASHER, 7/16
30	1920353	1	CAPSCREW, 7/16-20 x 1-1/2
31	1665706	1	V-BELT
32	1923903	1	CAPSCREW, Hex, 3/8-16 x 3
33	1665690	1	SUPPORT, Chain
34	170177	1	ROLLER
35	1927794	1	E-RING, Retainer
36	1664681	1	SPACER, Roller
37	1930591	4	SCREW, Hex, Whizlock, 5/16-18 x 3/4
38	1666316	1	PULLEY ASSY.
39	905123	1	KEY, Woodruff, #9
40	1927103	1	RING, Retaining
41	1921971	1	CAPSCREW, Hex, 3/8-16 x 1-3/4
42	1668827	1	PULLEY, Idler
43	1656054	1	STOP, Belt
44	1930645	1	LOCKWASHER, Hex, Flange, 3/8-16
45	1664613	1	SPACER
46	1669116	1	CLUTCH ARM ASSY.
47	1923701	1	CAPSCREW, Hex, 3/8-16 x 2
48	1666864	1	SPRING
49	1922755	2	WASHER, Plain, 13/32 x 1 x 10 Ga.
50	1924940	2	WASHER, Plain, 3/8
51	920427	1	LOCKWASHER, Ext. Tooth (Zinc Plt.) (1691111, 1691113 only)
52	928635	1	SCREW, Taptite, 3/8-16 x 1-1/2 (Zinc Plt.) (1691111, 1691113 only)
53	1924940	3	WASHER, 3/8 (Qty. 1 on Mfg. No. 1691995, 1691539, 1691552)

***Parts not serviced through Deutz-Allis Lawn & Garden Equipment, order from your local Tecumseh distributor. (See page 58 for parts breakdown of transmission.)**


See Brake & Clutch Group
Right side use one at this location only.
Assemble nut to full thread length.
See PTO Group
Press bearing into flange.
Torque to 10-14 ft. lbs. (four places).
Assemble support as far forward in slots in frame as possible - both sides. Fully torque 3 side screws before installing rear screws.
See page 60 or 62 for parts breakdown (refer to Model No.).

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
*1		1	DIFFERENTIAL AXLE ASSY.,
2	1668501	1	CLIP
3	1677277	1	DEFLECTOR, Heat
4	1917372	4	NUT, Hex, 5/16-18
5	1917356	2	LOCKWASHER, 5/16
6	1919326	1	WASHER, Plain, 5/16
7	1921221	2	CAPSCREW, Hex, 5/16-18 x 1-1/2
8	1924856	14	SCREW, Taptite, Washer Hd., 5/16-18 x 1/2 (Qty. 8 on 1691995, 1691539, 1691552)
9	1665711	1	AXLE SUPPORT, L.H.
10	1665710	1	AXLE SUPPORT, R.H.
11	108202	2	BEARING, Ball
12	1665696	2	FLANGE, Bearing
13	1668296	1	SPROCKET
14	1668295	1	DRUM, Brake
15	1931277	4	LOCKNUT, Hex, Flange, 5/16-18
16	1677288	1	SUPPORT, Deflector
17	1960114	1	WASHER, Plain
18	1923341	1	CAPSCREW, 1/4-20 x 3/4
19	1921319	1	WASHER, 1/4
20	1916964	1	LOCKWASHER, 1/4
21	1916622	1	NUT, Hex, 1/4-20
22	1930601	6	SCREW, Taptite, 5/16-18 x 5/8 (1691995, 1691539, 1691552 only)
23	1928729	1	CAPSCREW, Taptite, 5/16-18 x 3/8

***NOTE: See an authorized Tecumseh dealer for parts and service. Repair parts for Peerless Differential, Ref. No. 1, not available thru Deutz-Allis Lawn & Garden Equipment. See page 60 for parts breakdown of differential.**

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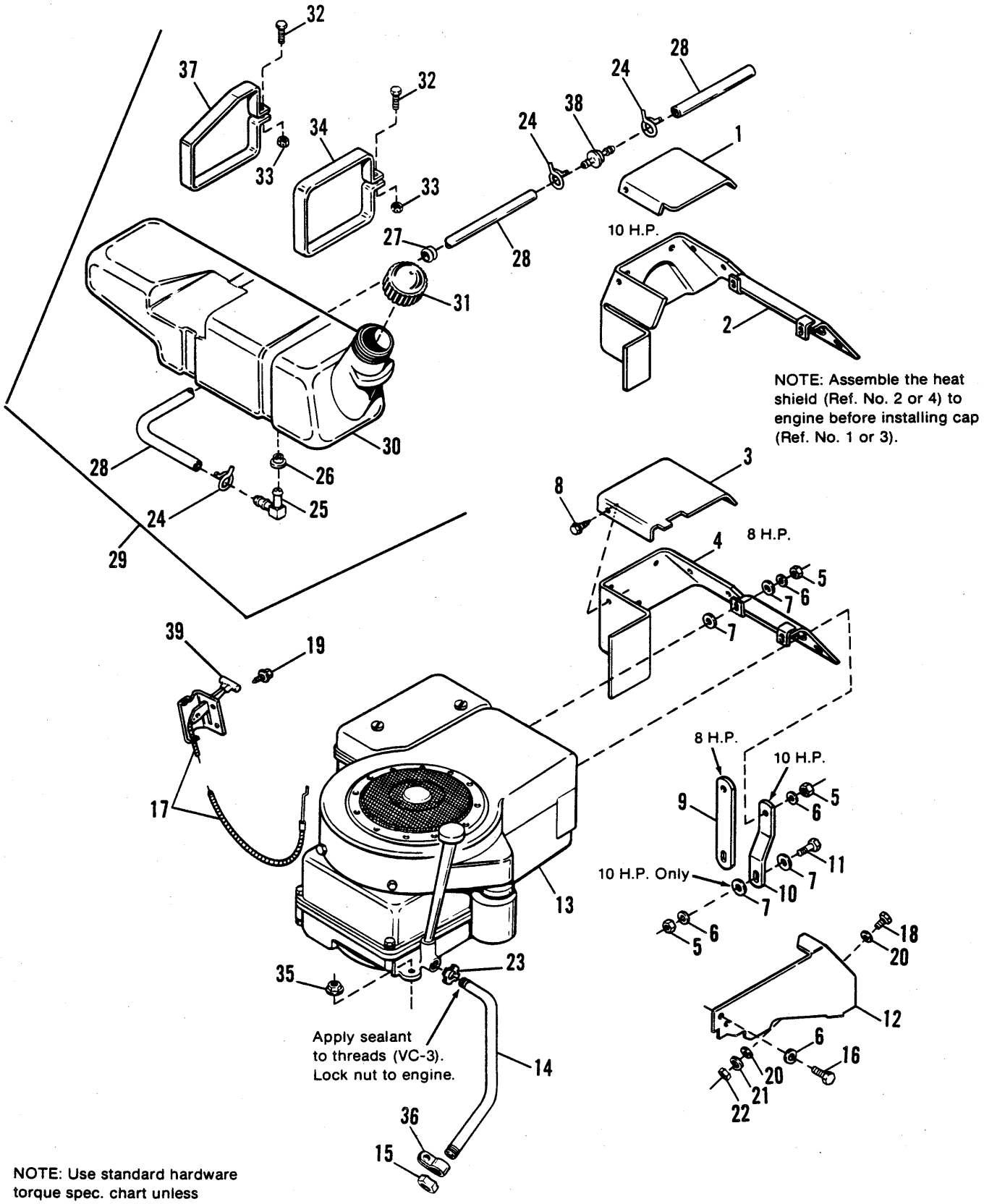


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1666171	1	CAP, Heat Shield (10 HP Only)
2	1677521	1	SHIELD ASSY., Heat (10 HP Only)
3	1666016	1	CAP, Heat Shield (8 HP Only)
4	1677519	1	SHIELD ASSY., Heat (8 HP Only)
5	1917372	4	NUT, Hex, 5/16-18
6	1917356	5	LOCKWASHER, 5/16-18
7	1919326	4	WASHER, Plain, 5/16
8	1923735	5	SCREW, Hex, Thd. Forming, #10 x 3/8
9	1665855	1	STRAP, Cylinder Head (8 HP Only)
10	1665842	1	STRAP, Cylinder Head (10 HP Only)
11	1921221	1	CAPSCREW, Hex, 5/16-18 x 1-1/2
12	1677388	1	SHIELD, Heat
*13		1	ENGINE, 8 HP Elec. Start
		1	ENGINE, 10 HP Elec. Start
14	1612039	1	DRAIN, Oil
15	1667346	1	CAP, 3/8
16	1921332	1	CAPSCREW, 5/16-18 x 3/4
17	1707390	1	CONTROL, Throttle
18	1923341	1	CAPSCREW, 1/4-20 x 3/4
19	1927428	2	SCREW, Hex, Taptite, 1/4-20 x 3/8
20	1921319	2	WASHER, 1/4
21	1916964	1	LOCKWASHER, 1/4
22	1916622	1	NUT, Hex, 1/4-20
23	1932849	1	LOCKNUT, Conduit, 3/8
24	1960112	3	CLAMP, HOSE
25	1674231	1	ELBOW, 90 Fuel Tank
26	1654930	1	BUSHING, Fuel Tank
27	936426	1	GROMMET
28	1677291	1	HOSE, Fuel
29	1685376	1	FUEL TANK ASSY. (Incl. Ref. Nos. 24, 25, 26, 30, 37 & 38)
30		1	FUEL TANK (See Ref. No. 29)
31	1678045	1	GAS CAP, Vented
32	1921962	2	SCREW, 1/4-20 x 1-3/4
33	1923358	2	NUT, Center Lock, 1/4-20
34	1677257	1	STRAP, Fuel Tank
35	1916950	3	NUT, Hex, Full, 3/8-16
36	1612050	1	CLAMP, Tube
37	1612032	1	STRAP, Fuel Tank
38	173206	1	FILTER, Fuel
39	1656099	1	KNOB, Push On

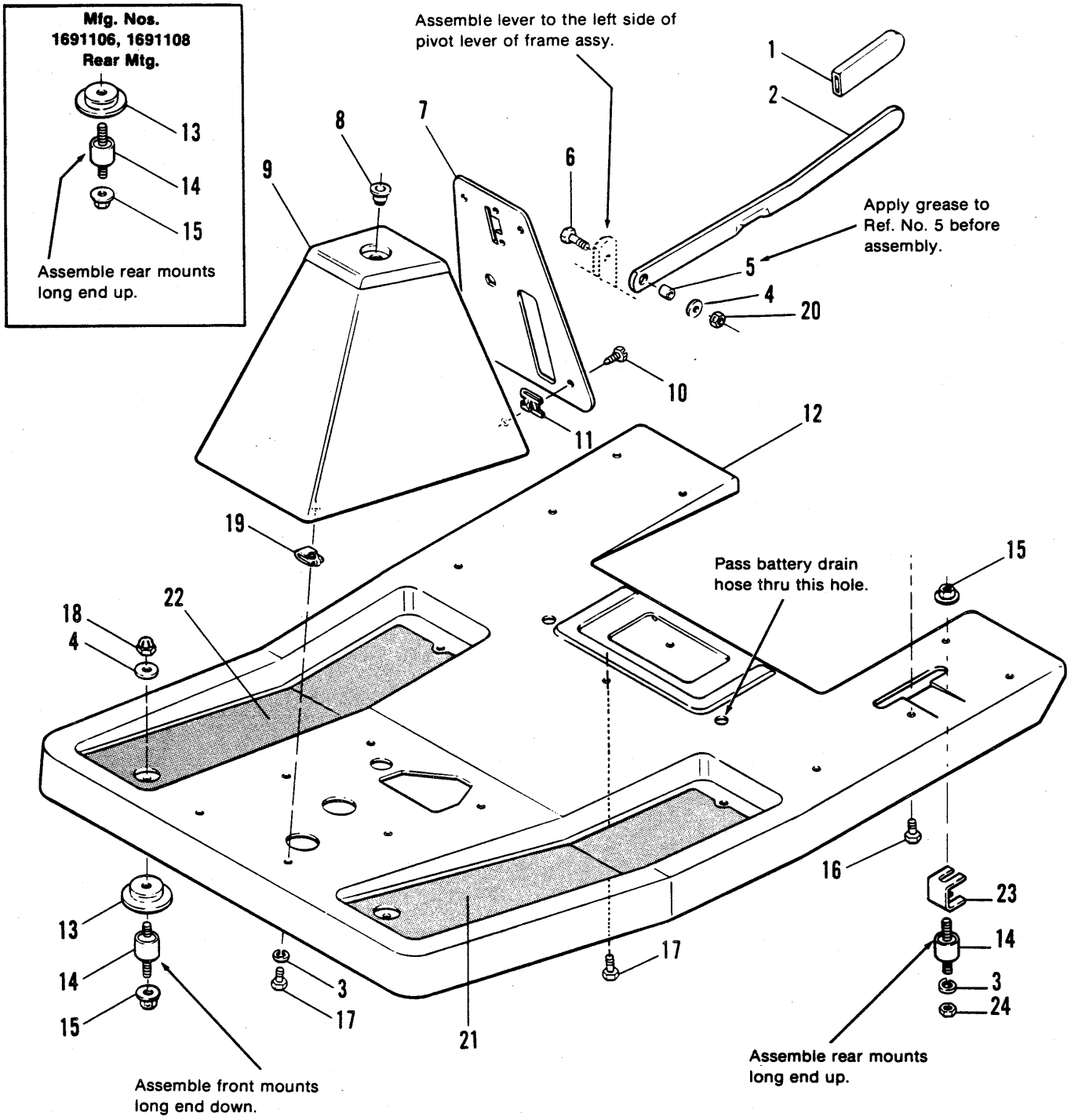
Throttle Control Assy.

Route control conduit through the right side of the quadrant opening. Attach to the right side of the quadrant with (Ref. No. 39, page 4) clip. Route conduit with gradual bends. Do not kink or make sharp bends.

Move control handle to the full choke position. Slide conduit in the engine clamp until the choke linkage is fully actuated. Tighten the clamp.

8 & 10 HP engines must operate at
3400 ±100 RPM with control in the fast detent position.

***See an authorized Briggs & Stratton dealer for parts and service.**

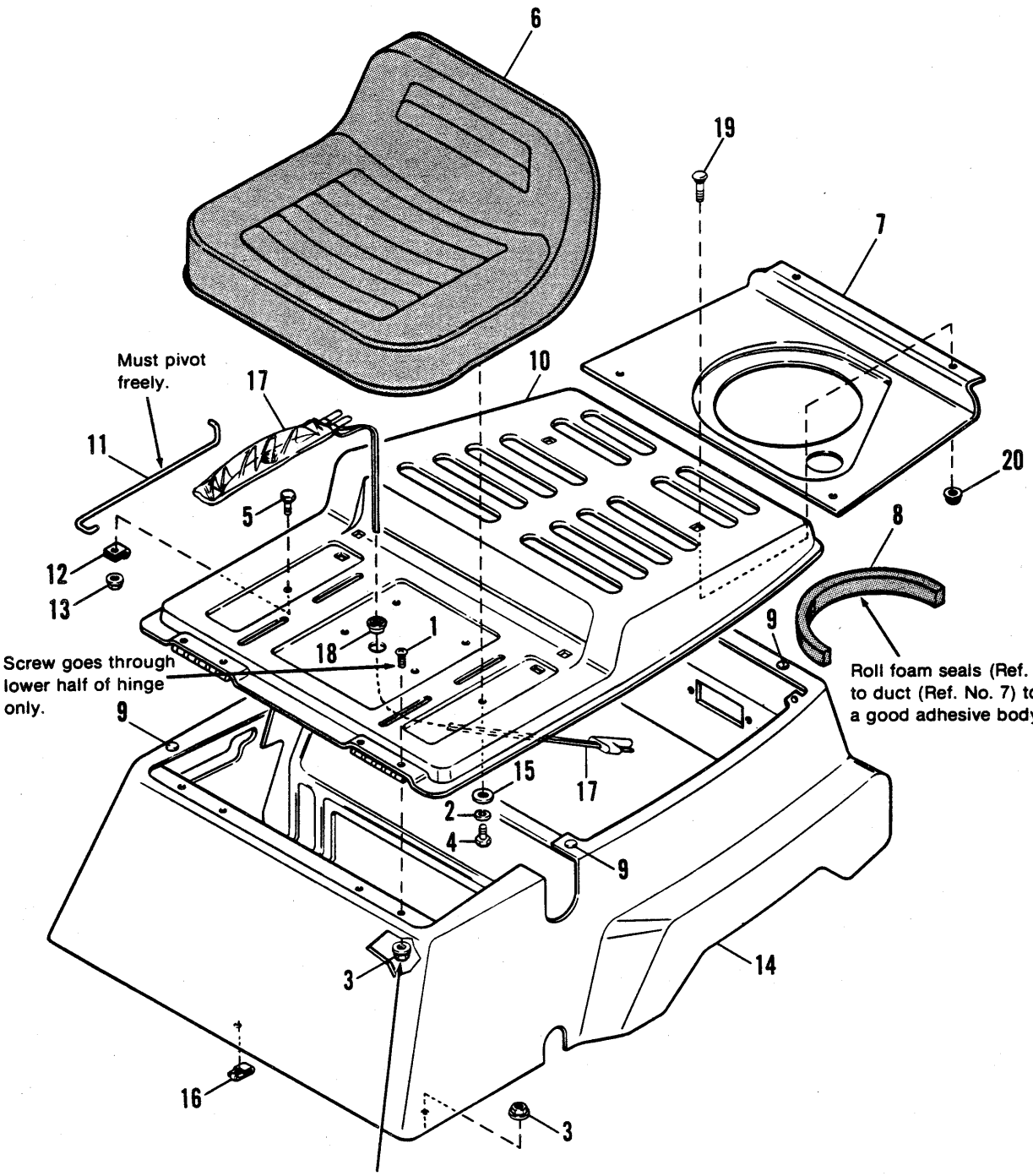


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

NOTE: Assemble front mounts to body before installing mats. Center front of mat on body mount nut and rear on drain hole.

Ref. No.	Part No.	Qty.	Description
1	1665835	1	GRIP, Lever
2	1665792	1	LEVER, Lift
3	1917356	8	LOCKWASHER, 5/16
4	1919381	3	WASHER, Plain, 5/16
5	1703900	1	SPACER
6	1921333	1	CAPSCREW, Hex, 5/16-18 x 1
7	*1707391	1	PANEL, Steering Column
8	176440	1	BUSHING, Nylon
9	71665725	1	STEERING COLUMN ASSY.
10	1922122	4	SCREW, Hex, Thd. Forming, #10 x 1/2
11	1920299	4	U-NUT, #10 x 1/2
12	71611930	1	BODY, Front
13	1666622	2	RESTRAINER (Qty. 4 on Mfg. No. 1691111 & 1691113)
14	157094	4	CONNECTOR, Cushion
15	1927557	6	LOCKNUT, Flange, Whiz, 5/16-18
16	1925205	6	CAPSCREW, 5/16-18 x 5/8
17	1921332	7	CAPSCREW, Hex Hd., 5/16-18 x 3/4
18	1933707	2	NUT, Acorn, 5/16-18
19	1935255	6	NUT, Speed, 5/16-18
20	1923362	1	LOCKNUT, Hex, 5/16-18
21	1666695	1	MAT, Foot, L.H.
22	1666694	1	MAT, Foot, R.H.
23	1611776	2	CLIP, Up-Stop (Not used on Mfg. No. 1691111, 1691113)
24	1917372	2	NUT, Hex, 5/16-18 (Not used on Mfg. No. 1691111, 1691113)

***Order Instrument Panel Decal, P/N 1707401 with new Steering Column Panel, P/N 1707391.**

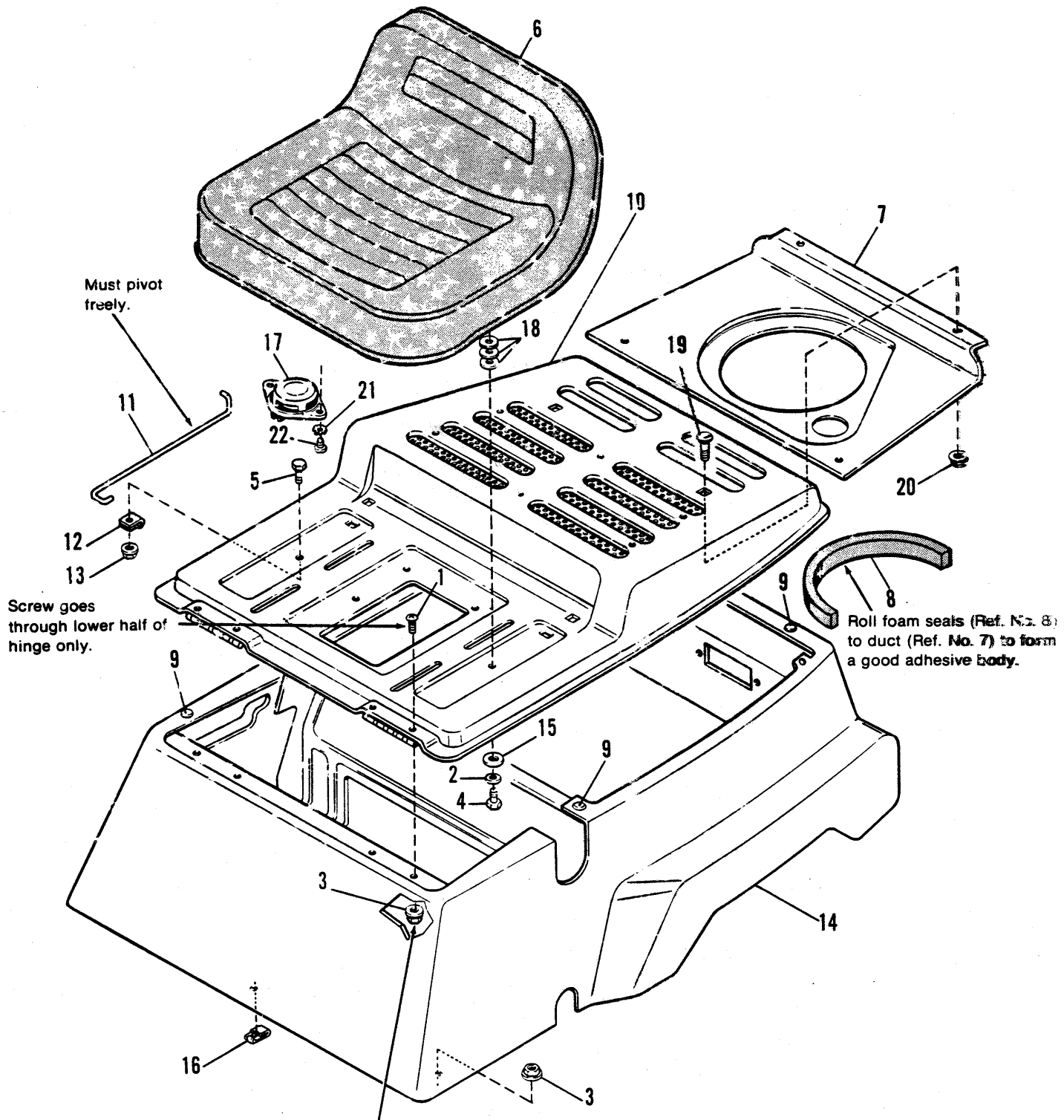


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1936357	4	SCREW, Truss, Phil. Hd., 5/16-18 x 7/16
2	917356	4	LOCKWASHER, 5/16
3	1927557	10	LOCKNUT, Flange, Whiz, 5/16-16
4	1925205	4	CAPSCREW, 5/16-18 x 5/8
5	1921958	1	CAPSCREW, Hex, 1/4-20 x 1/2
6	1676538	1	SEAT
7	1677510	1	DUCT, Inlet
8	1677517	2	SEAL, Foam (Mfg. No. 1691111 Only)
	1677518	2	SEAL, Foam (Mfg. No. 1691113 Only)
9	1670675	4	PLUG, Bumper
10	71612051	1	COVER ASSY.
11	1666973	1	ROD, Cover Support
12	1934833	1	CLAMP
13	1930642	1	LOCKNUT, Flange, 1/4-20
14	71677286	1	BODY ASSY.
15	1919326	4	WASHER, Plain, 5/16
16	935255	1	NUT, Speed, 5/16-18
17	* 1671703	1	SWITCH, Seat, Operator Present
18	* 1676624	1	BUSHING, Universal
19	1960253	4	BOLT, Carriage
20	1665253	4	LOCKNUT, Pal, #10-24

***Used on later models.**

A-*401



To install cover (Ref. No. 10) tighten Ref. No. 3 nuts finger tight. Close cover and center cover on body at rear tabs. Open cover and tighten nuts.

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1936357	4	SCREW, Truss, Phil. Hd., 5/16-18 x 1/2
2	1917356	4	LOCKWASHER, 5/16
3	1927557	10	LOCKNUT, Flange, Whiz, 5/16-16
4	1925205	4	CAPSCREW, 5/16-18 x 1
5	1921958	1	CAPSCREW, Hex, 1/4-20 x 1/2
6	1700618	1	SEAT
7	1707392	1	DUCT, Inlet
8	1677517	2	SEAL, Foam (Mfg. No. 1691552 Only)
	1677518	2	SEAL, Foam (Mfg. No. 1691995, 1691539 Only)
9	1670675	4	PLUG, Bumper
10	71612051	1	COVER ASSY.
11	1666973	1	ROD, Cover Support
12	1934833	1	CLAMP
13	1930642	1	LOCKNUT, Flange, 1/4-20
14	71677286	1	BODY ASSY.
15	1919326	4	WASHER, Plain, 5/16
16	1935255	1	NUT, Speed, 5/16-18
17	* 1700636	1	SWITCH, Seat, Operator Present
	** 1703373		SWITCH, Seat, Operator Present
18	* 1919381	12	WASHER
19	1960253	4	BOLT, Carriage, #10-24 x 1/2
20	1665253	4	LOCKNUT, Pal, #10-24
21	1921880	2	LOCKWASHER, Ext. Tooth, 1/4
22	1960357	2	SCREW, Round Hd., 1/4-20 x 3/4

***Used on early models.**
**** Used on later models.**

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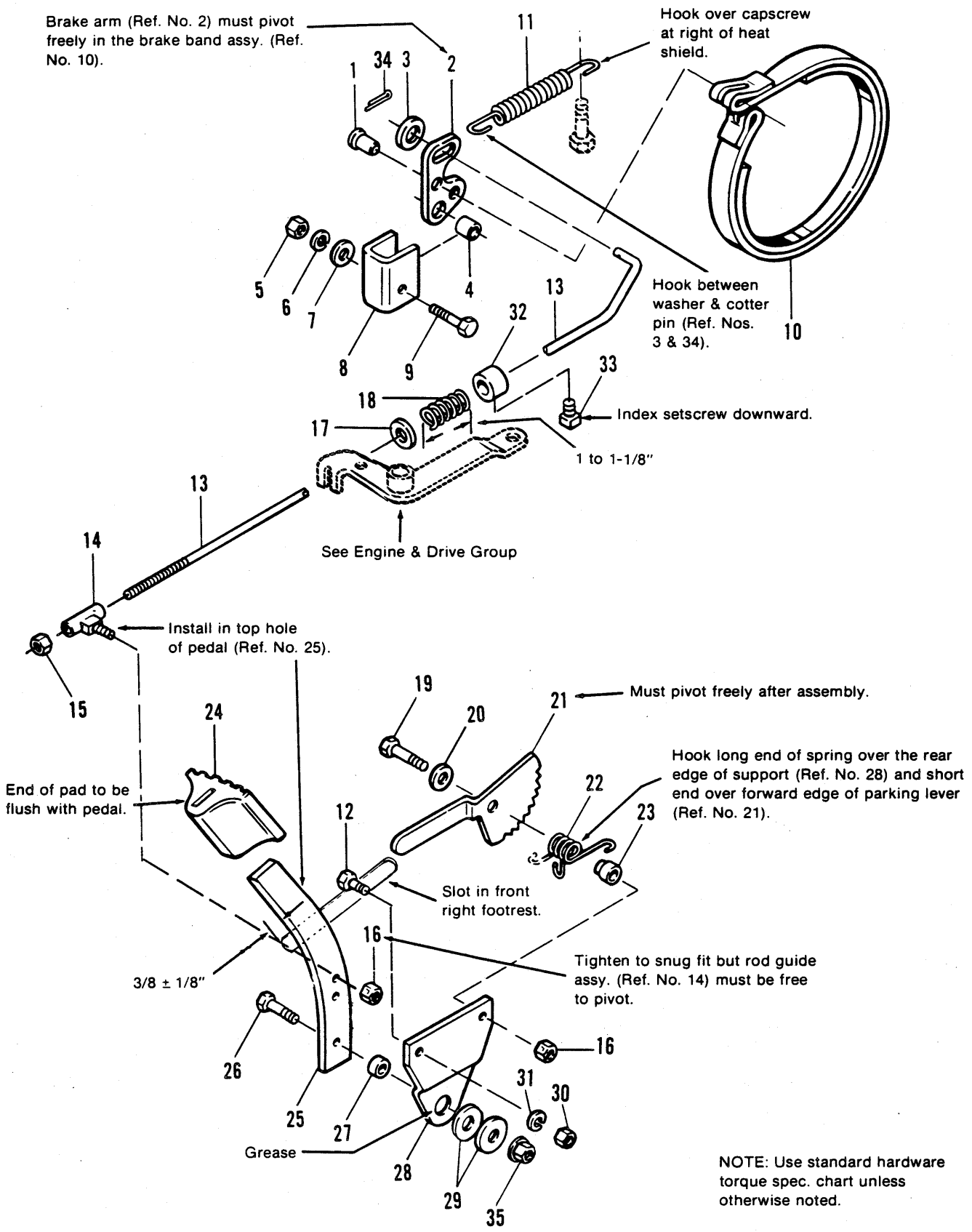


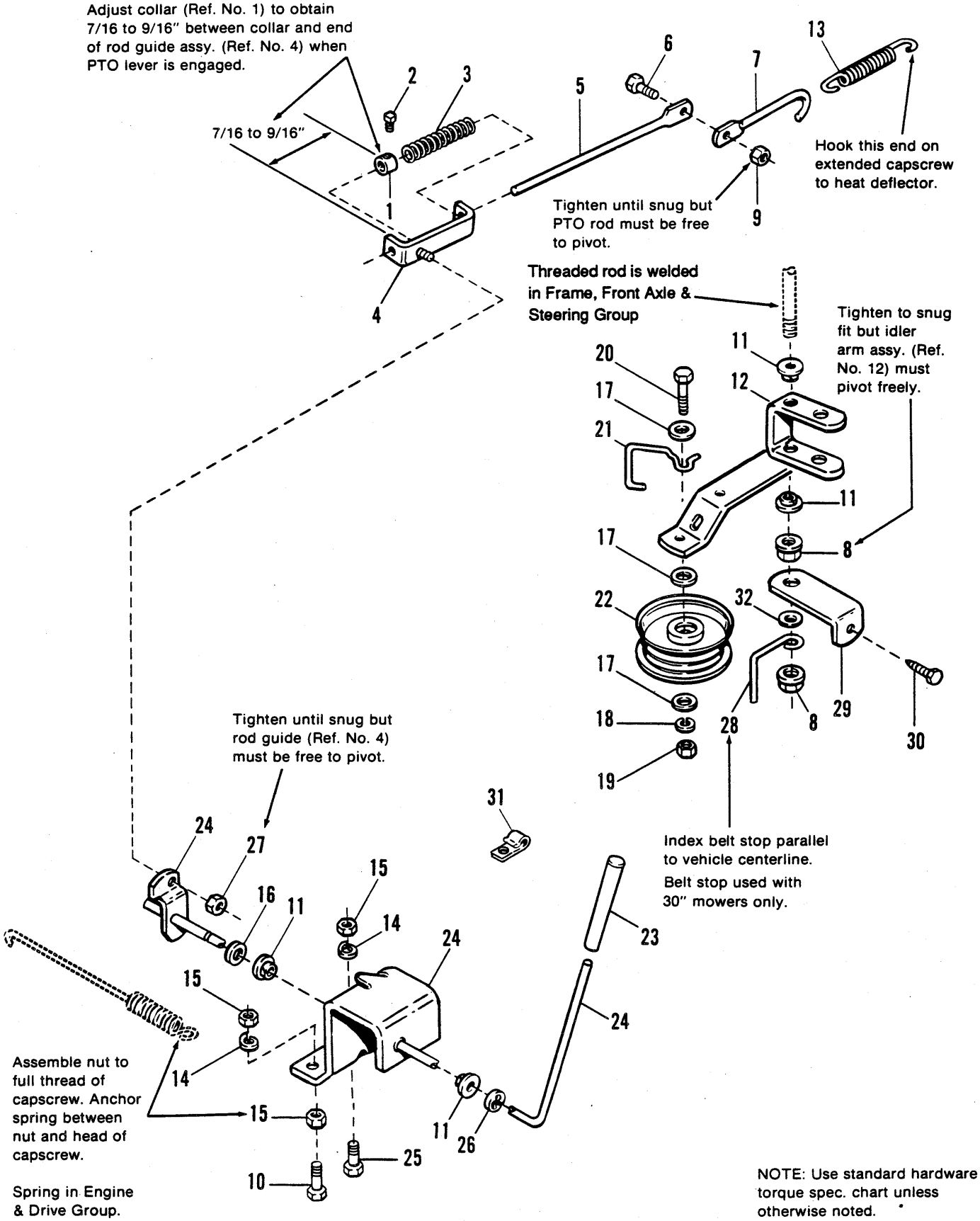
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1667132	2	PIN
2	1677490	1	ARM, Brake
3	1919326	1	WASHER, Plain, 11/32
4	1667133	1	SPACER
5	1916950	2	NUT, Hex, 3/8-16
6	1916965	2	LOCKWASHER, 3/8
7	1924940	1	WASHER, Plain, 11/32
8	1667138	1	BRACKET, Brake
9	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
10	1679357	1	BRAKE BAND ASSY.
11	1706653	1	SPRING
12	1921332	1	CAPSCREW, Hex Hd., 5/16-18 x 3/4
13	1677489	1	ROD, Brake
14	164094	1	ROD GUIDE ASSY.
15	1919438	1	LOCKNUT, Esna, 5/16-18
16	1923362	2	LOCKNUT, Hex, 5/16-18
17	1922755	1	WASHER, Plain, 13/32 x 1
18	152006	1	SPRING
19	1921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
20	1919381	1	WASHER, Plain, 11/32
21	1665735	1	LEVER, Parking Brake
22	1665822	1	SPRING Torsion
23	1669575	1	SPACER
24	1666664	1	PAD, Pedal
25	1665736	1	PEDAL, Brake
26	1920415	1	CAPSCREW, Hex, 3/8-16 x 1-1/4
27	108717	1	SPACER
28	1665744	1	SUPPORT, Pedal
29	1924356	2	WASHER
30	1917372	1	NUT, Hex, 5/16-18
31	1917356	1	LOCKWASHER, 5/16
32	1669597	1	COLLAR, Set
33	1928804	1	SCREW, Set, Sq. Hd., Cup Pt., 1/4-20 x 3/8
34	1918447	1	PIN, Cotter
35	1930645	1	NUT, Hex Flangelock, 3/8-16

Brake & Clutch Adjustment for parts shown on Page 18.

1. Adjust locknut (Ref. No. 15) on brake rod (Ref. No. 13) so that forward edge of pedal (Ref. No. 25) is 3/8 ±1/8 inch from forward end of slot when pedal is fully depressed with approximately 50 lbs. of force (normal braking force).

2. With the pedal released, slide the set collar (Ref. No. 32), spring (Ref. No. 18) and washer (Ref. No. 17) against the clutch arm assy, until the spring is compressed to a length of 1 to 1-1/8 inch. Tighten set collar in place with setscrew pointing down.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1669597	1	COLLAR, Set
2	1928804	1	SETSCREW, 1/4-20 x 3/8
3	163103	1	SPRING
4	158406	1	ROD GUIDE ASSY.
5	1667901	1	ROD, P.T.O., Front
6	1921959	1	CAPSCREW, Hex Hd., 1/4-20 x 5/8
7	1667902	1	ROD, P.T.O., Rear
8	1930644	2	LOCKNUT, Flange, 1/2-13
9	1920397	1	LOCKNUT, Hex, Lock, 1/4-20
10	1921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
11	1668185	4	BUSHING
12	1674138	1	P.T.O. IDLER ARM ASSY.
13	1666626	1	SPRING, Return
14	1917356	2	LOCKWASHER, 5/16
15	1917372	3	NUT, Hex, Full, 5/16-18
16	1924361	1	WASHER, Plain
17	1924940	3	WASHER, Plain, 13/32
18	1916965	1	LOCKWASHER, 3/8
19	1916950	1	NUT, Hex, 3/8-16
20	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
21	1667024	1	STOP, Belt
22	1657712	1	PULLEY, Idler
23	176933	1	GRIP
24	1612057	1	P.T.O. LEVER ASSY. (Incl. Ref. No. 16)
25	1925205	1	CAPSCREW, Hex Hd., 5/16-18 x 5/8
26	158399	1	RING, Retaining
27	1923362	1	LOCKNUT, Hex, 5/16-18
28	106545	1	STOP, Belt (Used on Mfg. Nos. 1691111, 1691995, 1691552 only)
29	1702659	1	SUPPORT, P.T.O.
30	1924856	1	SCREW, Taptite, 5/16-18 x 1/2
31	1926917	1	CLAMP, Wire
32	1919326	1	WASHER, 5/16 (Used on Mfg. Nos. 1691111, 1691353, 1691552 only)

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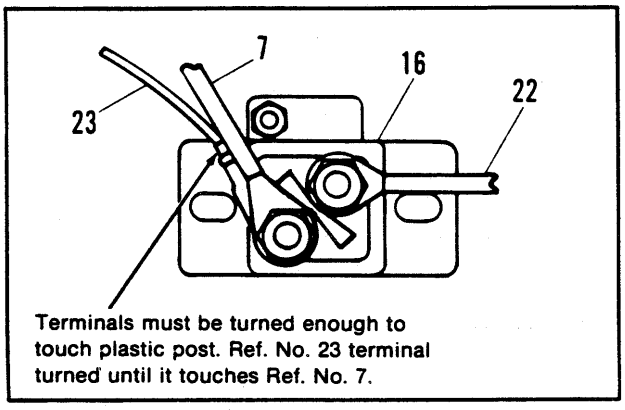
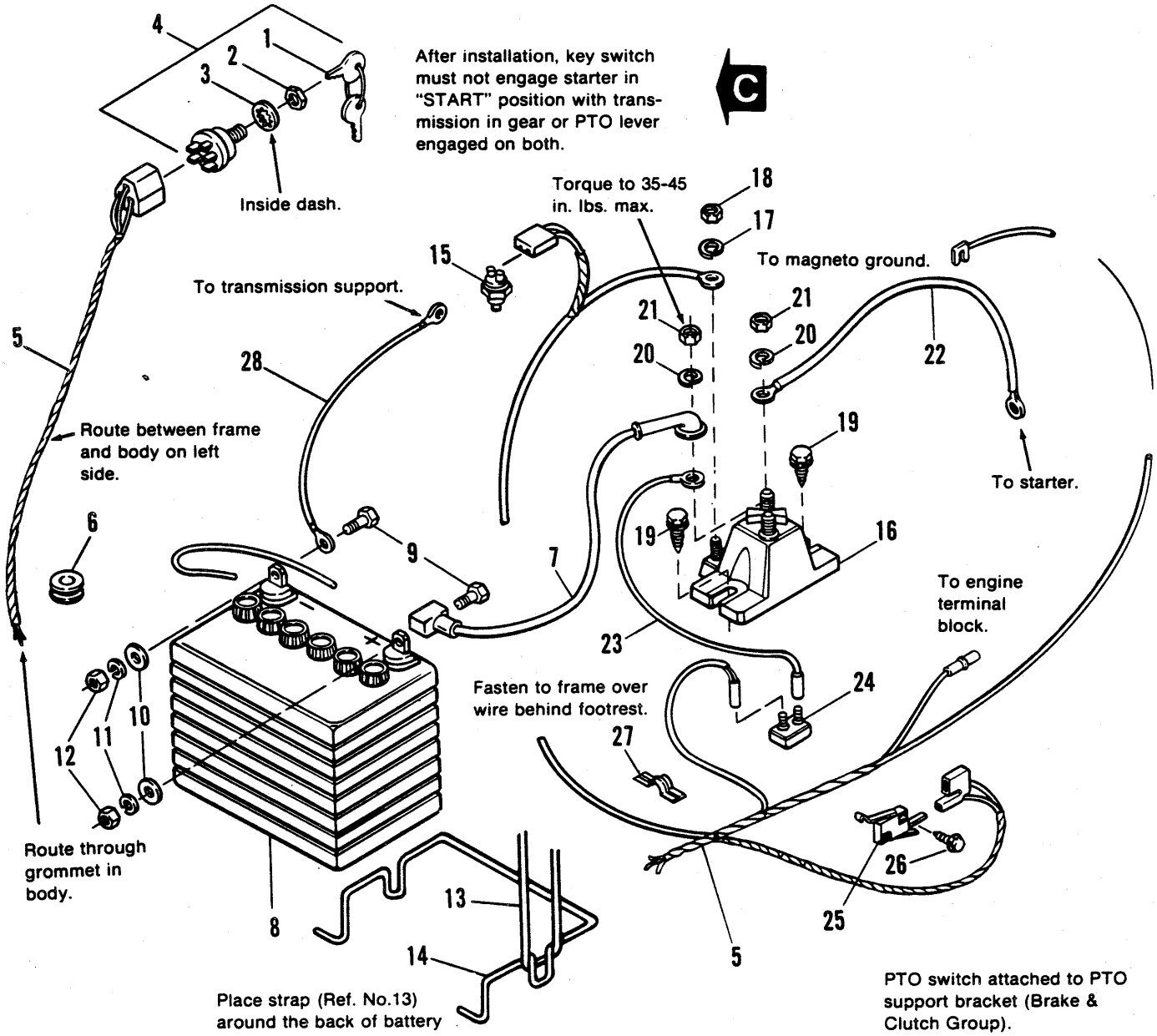


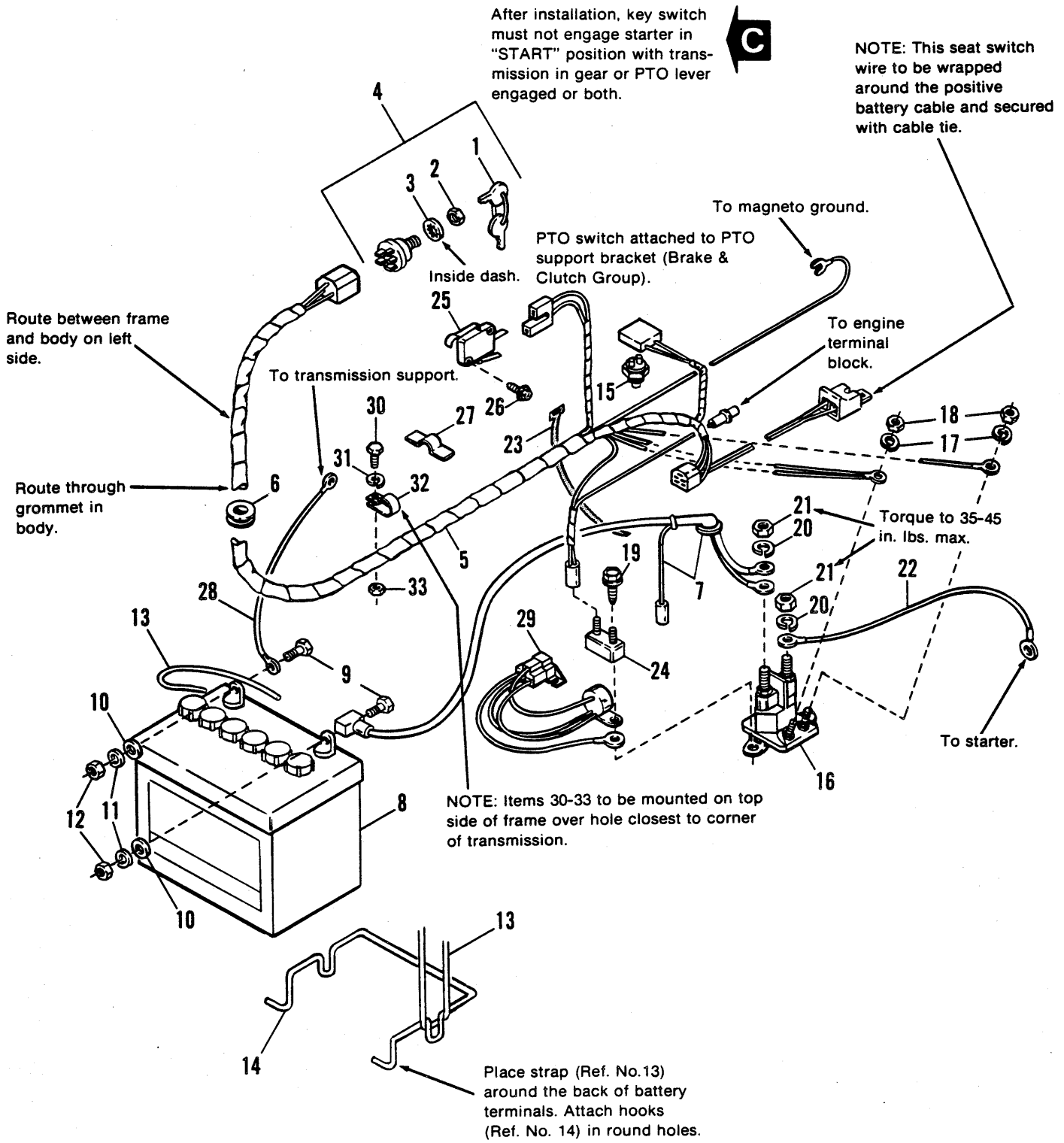
Terminals must be turned enough to touch plastic post. Ref. No. 23 terminal turned until it touches Ref. No. 7.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	122203	1	KEY
2	122234	1	NUT
3	1918906	1	LOCKWASHER, Internal Tooth, 5/8
4	178280	1	SWITCH, Key (Incl. Ref. Nos. 1, 2 & 3)
5	1664466	1	HARNESS ASSY.
6	173420	1	GROMMET
7	1677297	1	CABLE ASSY. (Batt. to Solenoid)
8	1685215	1	BATTERY, 12 Volt
9	1923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
10	1921319	2	WASHER, Plain, 1/4
11	1916964	2	LOCKWASHER, 1/4
12	1916622	2	NUT, Hex, 1/4-20
13	1665872	1	STRAP, Battery
14	1667805	1	BRACE, Battery
15	1654634	1	SWITCH, Transmission Interlock
16	1685291	1	SOLENOID
17	1922711	2	LOCKWASHER, #10
18	1917415	2	NUT, Hex, Machine, #10-32
19	925592	2	SCREW, Hex, Taptite, 1/4-20 x 3/4
20	917356	2	LOCKWASHER, 5/16
21	1917372	2	LOCKNUT, Hex, 5/16-18
22	1603618	1	CABLE ASSY. (Solenoid to Starter)
23	1665237	1	WIRE ASSY.
24	1665238	1	BREAKER, Circuit
25	1665586	1	SWITCH, P.T.O. Interlock
26	1935944	2	SCREW, Hex, Taptite, #50-40 x 3/4
27	176912	1	CLIP, Wire
28	1671158	1	CABLE (Battery to Ground)

***NOTE: Items shown on pages 22 & 23 used on early model 1691111 and 1691113.**

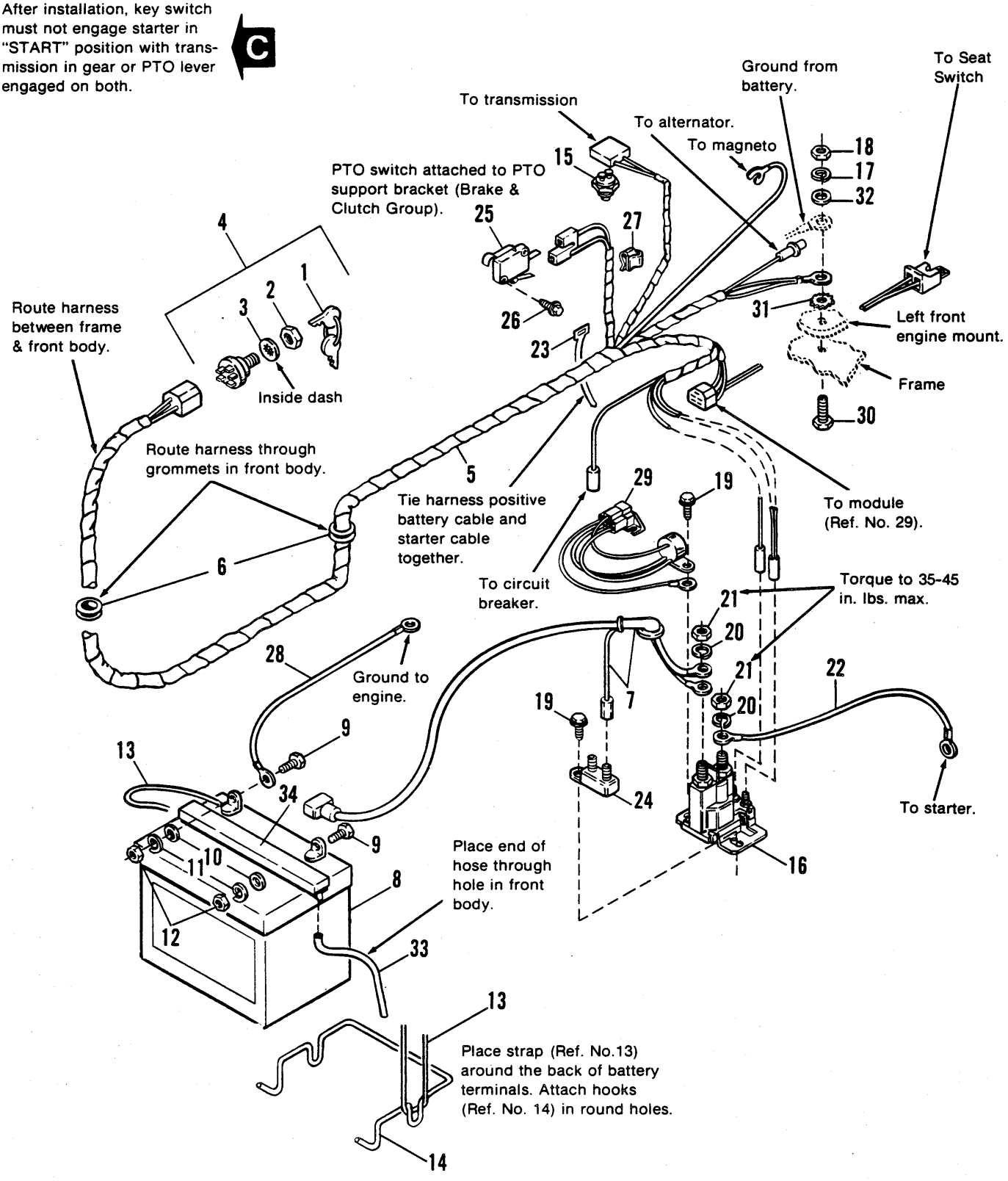


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	122203	1	KEY
2	122234	1	NUT
3	1918906	1	LOCKWASHER, Internal Tooth, 5/8
4	178280	1	SWITCH, Key (Incl. Ref. Nos. 1, 2 & 3)
5	1676658	1	HARNESS ASSY. (Mfg. No. 1691111, 1691113 only)
	1611754	1	HARNESS ASSY. (Mfg. No. 1691552, 1691995, 1691539 only)
6	173420	1	GROMMET
7	1677297	1	CABLE ASSY. (Batt. to Solenoid)
8	1685215	1	BATTERY, 12 Volt
9	1923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
10	1921319	2	WASHER, Plain, 1/4
11	1916964	2	LOCKWASHER, 1/4
12	1916622	2	NUT, Hex, 1/4-20
13	1665872	1	STRAP, Battery
14	1667805	1	BRACE, Battery
15	1654634	1	SWITCH, Transmission Interlock
16	1685290	1	SOLENOID
17	1922711	2	LOCKWASHER, #10
18	1917415	2	NUT, Hex, Machine, #10-32
19	1927429	2	SCREW, Hex, Taptite, 1/4-20 x 5/8 (Zinc Plt.)
20	1917356	2	LOCKWASHER, 5/16
21	1920263	2	LOCKNUT, Hex, 5/16-18
22	1603618	1	CABLE ASSY. (Solenoid to Starter)
23	932747	1	TIE
24	1665238	1	BREAKER, Circuit
25	1665586	1	SWITCH, P.T.O. Interlock
26	1935944	2	SCREW, Hex, Taptite, #50-40 x 3/4
27	176912	1	CLIP, Wire (Mfg. No. 1691111, 1691113 only)
28	1671158	1	CABLE (Battery to Ground)
29	1672654	1	MODULE, DSI Interlock
30	1921332	1	CAPSCREW, Hex, 5/8-18 x 3/4
31	1917356	1	LOCKWASHER, 5/16
32	926917	1	CLAMP, Wire
33	1917372	1	NUT, Hex, Full, 5/16-18

***NOTE: Items shown on pages 24 & 25 used on later model 1691111 and 1691113, and on early model 1691552, 1691539 & 1691995.**

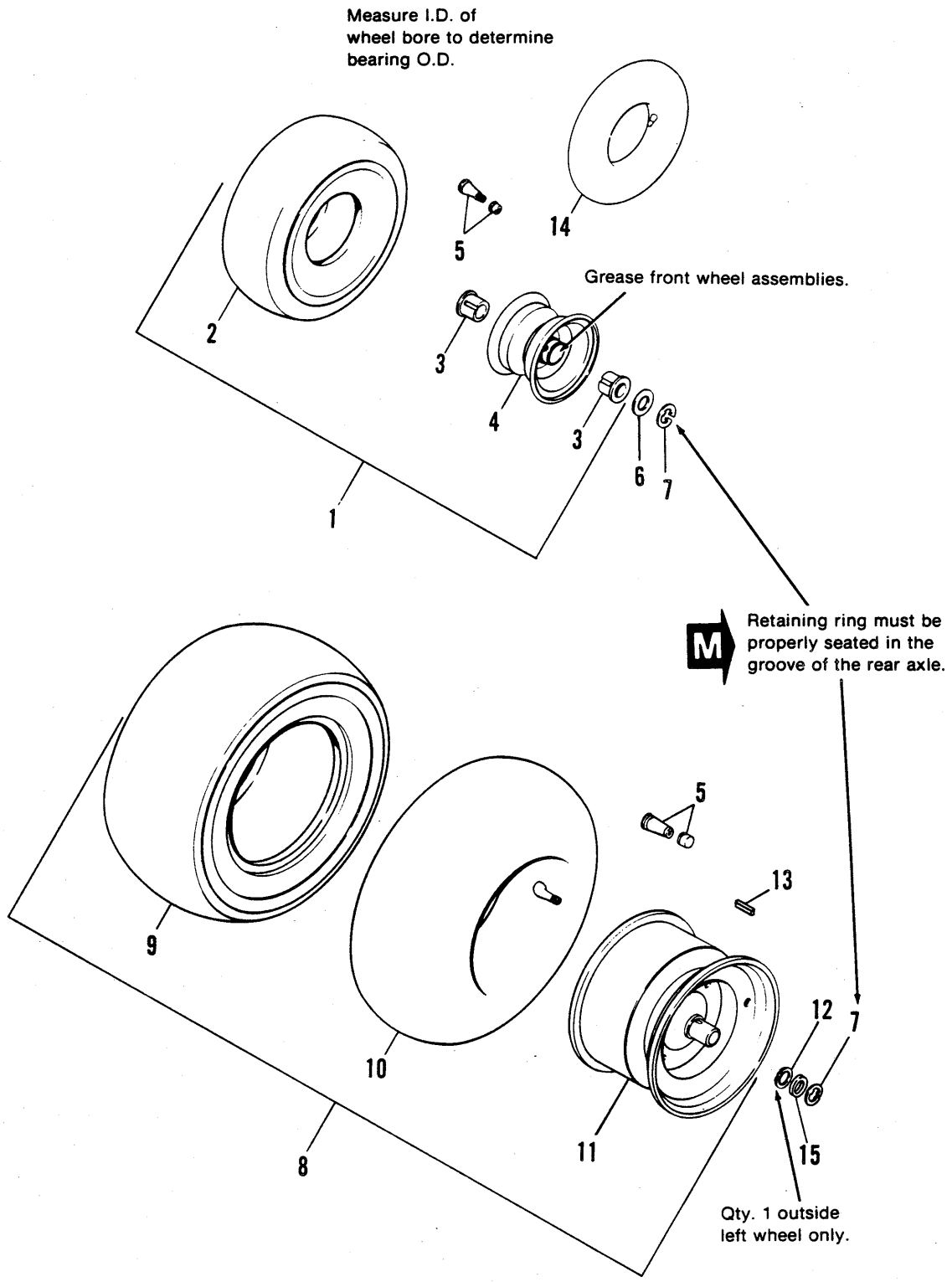
After installation, key switch must not engage starter in "START" position with transmission in gear or PTO lever engaged on both.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	122203	1	KEY
2	122234	1	NUT
3	1918906	1	LOCKWASHER, Internal Tooth, 5/8
4	1674244	1	SWITCH, Key (Incl. Ref. Nos. 1, 2 & 3)
5	1685465	1	HARNESS ASSY.
6	1703473	2	GROMMET
7	1677297	1	CABLE ASSY. (Batt. to Solenoid)
8	1685215	1	BATTERY, 12 Volt
9	1923341	2	CAPSCREW, Hex, 1/4-20 x 3/4
10	1921940	2	WASHER, Plain, 1/4
11	1916964	2	LOCKWASHER, 1/4
12	1916622	2	NUT, Hex, 1/4-20
13	1665872	1	STRAP, Battery
14	1667805	1	BRACE, Battery
15	1654634	1	SWITCH, Transmission Interlock
16	1685290	1	SOLENOID
17	1920427	1	LOCKWASHER, 3/8 (Zinc Pltd.)
18	1960251	2	NUT, 3/8-16 (Zinc Pltd.)
19	927429	2	SCREW, Hex, Taptite, 1/4-20 x 5/8 (Zinc Pltd.)
20	1917356	2	LOCKWASHER, 5/16
21	1920263	2	LOCKNUT, Hex, 5/16-18
22	1612060	1	CABLE ASSY. (Solenoid to Starter)
23	932747	1	TIE
24	1665238	1	BREAKER, Circuit
25	1665586	1	SWITCH, P.T.O. Interlock
26	1935944	2	SCREW, Hex, Taptite, #50-40 x 3/4
27	165073	1	CLIP, Wire
28	1612055	1	CABLE (Battery to Ground)
29	1685466	1	MODULE, Interlock
30	960361	1	CAPSCREW, Taptite, 3/8-16 x 2 (Zinc Pltd.)
31	1612055	1	LOCKWASHER, Ext. Tooth, 3/8 (Zinc Pltd.)
32	1924940	1	WASHER, 3/8
33	1612103	1	HOSE, 3/8 I.D., 1/2 O.D. x 23-1/2" Long
34	1704581	1	VENT, Battery

***NOTE: Items shown on pages 26 & 27 used on later model 1691552, 1691539 & 1691995.**


Measure I.D. of
wheel bore to determine
bearing O.D.
14
5
Grease front wheel assemblies.
2
3
4
3
6
7
1
M
Retaining ring must be
properly seated in the
groove of the rear axle.
5
13
9
12
7
10
11
15
8
Qty. 1 outside
left wheel only.

Ref. No.	Part No.	Qty.	Description
1	1679699	2	FRONT WHEEL & TIRE ASSY.
2	1672269	2	TIRE, Turf, 4.10/3.50-4 (Carlisle)
3	1679713	4	BEARING, Flange Wheel (O.D. 1-3/8)
4	1679719	2	WHEEL ASSY. (Incl. Ref. No. 3)
5	172353	4	VALVE STEM & CAP
6	960202	5	WASHER
7	927794	4	E-RING, Retaining, 3/4
8	1677543	2	REAR WHEEL & TIRE ASSY.
9	1605965	2	TIRE, Tubeless, 16 x 6.50-8 (Carlisle)
10	1603991	2	TUBE, (See note below) (Rear Wheels)
11	1677544	2	WHEEL ASSY.
12	1960114	3	WASHER, Plain
13	8221042	2	KEY, 3/16 x 3/16 x 1-1/2
14	159141	2	TUBE, (See note below) (Front Wheels)
15	1960160	2	WASHER, 3/4 x 1-39/64 x 1/2
Not Shown:			
	1673333	4	HUB CAP, Wheel

NOTE: Simplicity Brand Tire Sealant can be used to repair tires in place of tubes. See inside front cover of this manual for part number.

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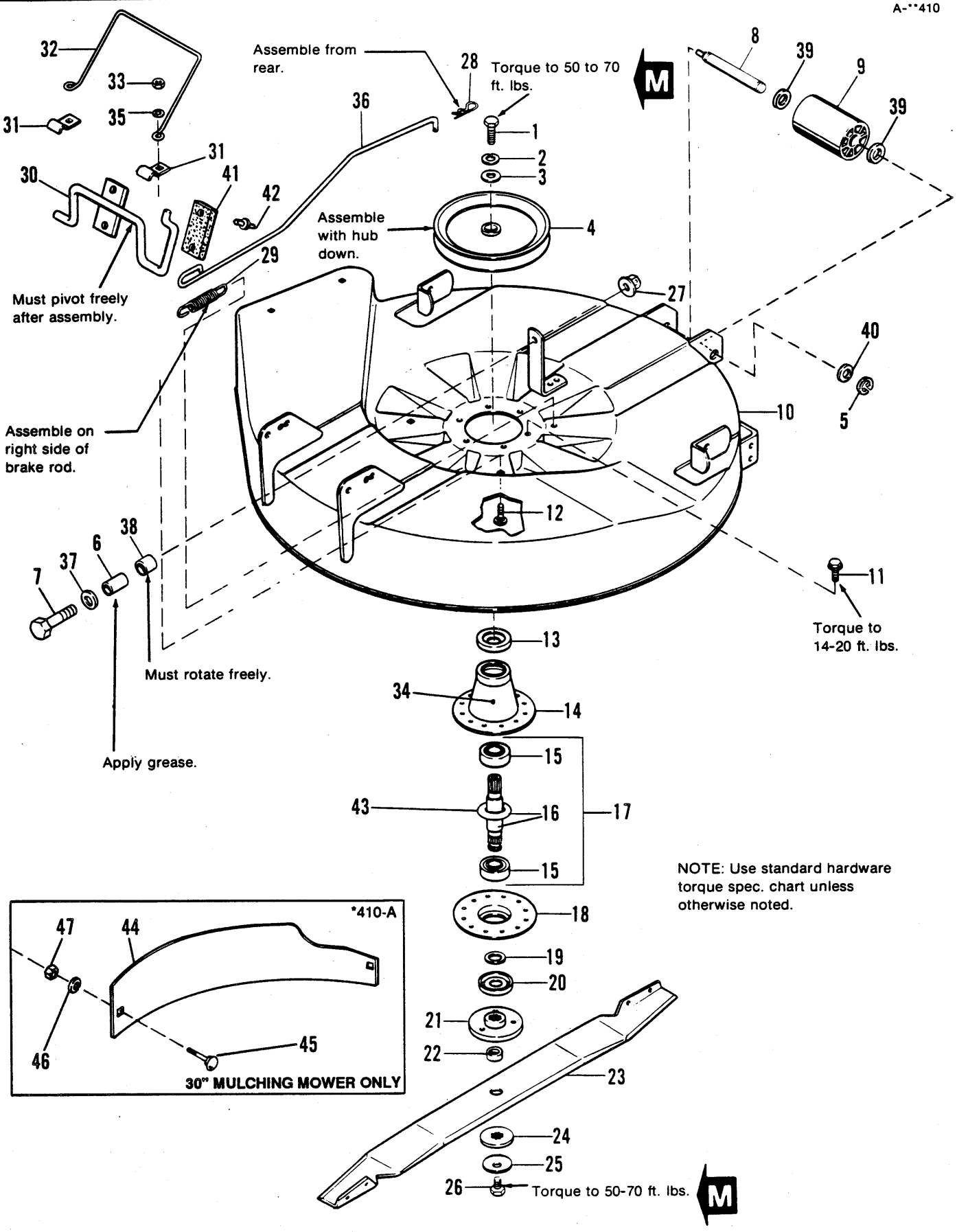
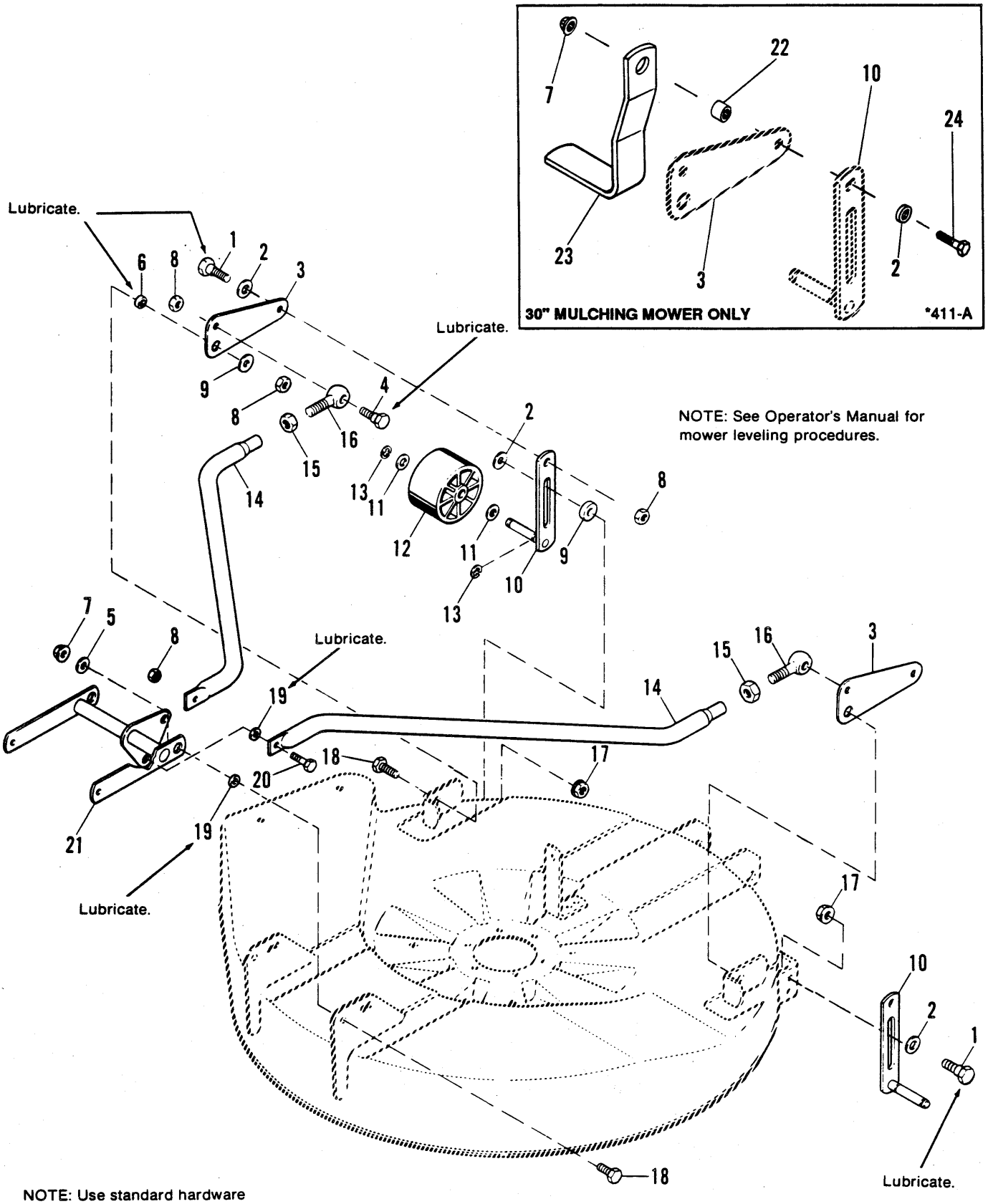


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

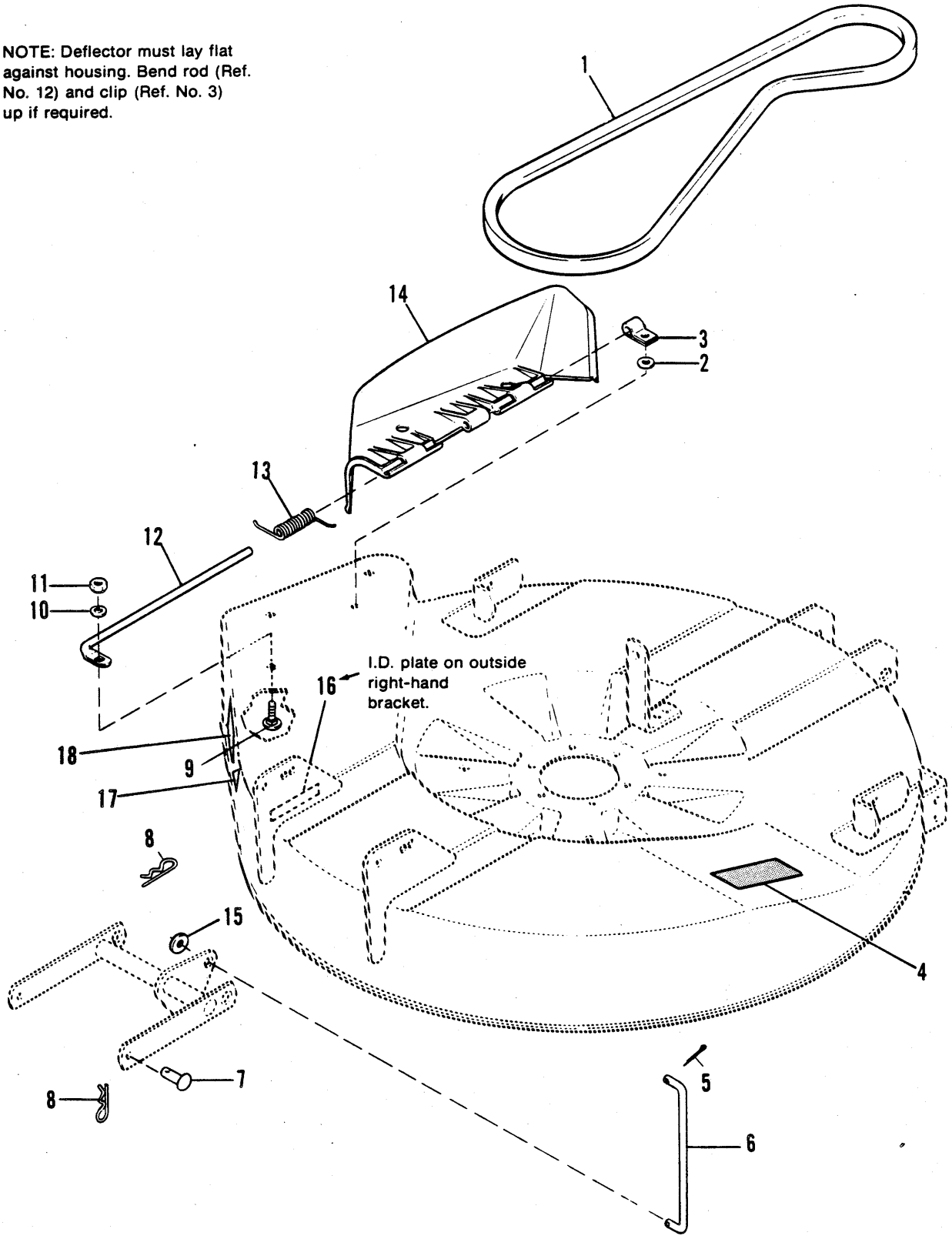
Ref. No.	Part No.	Qty.	Description
1	1923451	1	CAPSCREW, Hex, 7/16-14 x 1-1/2
2	1918199	1	LOCKWASHER, 7/16
3	1933263	1	WASHER
4	1666317	1	PULLEY ASSY.
5	927793	1	E-RING
6	1669585	1	SPACER
7	1922606	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
8	1603205	1	SHAFT
9	1668513	1	ROLLER, Small
10	71685166	1	HOUSING ASSY., Standard (Incl. Safety Decals)
	71685445	1	HOUSING ASSY., 30" Mulcher, (Incl. Safety Decals)
11	1664847	6	SCREW, Taptite, 5/16 x 3/4
12	1931335	2	BOLT, Carriage, 5/16-18 x 1
13	1657969	1	SHIELD, Grass Upper
14	1703273	1	ARBOR HOUSING, Bottom (Incl. Ref. No. 34)
15	108202	2	BEARING
16	1685245	1	SHAFT (Incl. Ref. No. 22)
17	1685251	1	SHAFT & BEARING ASSY. (Incl. Ref. Nos. 15, 6 & 22)
18	1655729	1	ARBOR HOUSING, Top
19	1700230	1	WASHER, Shim
20	1700229	1	SHIELD, Grass, Lower
21	1655777	1	ADAPTOR, Blade
22	1672132	1	COLLAR, Mower Arbor
23	1664019	1	BLADE, Standard
	1706290	1	BLADE, 30" Mulcher
24	1656927	1	WASHER
25	1656916	1	WASHER, Spring
26	1923491	1	CAPSCREW, Hex, 7/16-14 x 1
27	1930645	1	LOCKNUT, Hex, Flange, 3/8-16
28	1960074	1	CLIP, Hair Pin, 3/32 x 1
29	174896	1	SPRING
30	1701613	1	BRAKE, Mower (Incl. Ref. Nos. 41 & 42)
31	1664004	2	CLIP
32	1667020	1	STOP, Belt
33	1931277	2	NUT, 5/16-18
34	1704314	1	FITTING, Grease
35	1919326	2	WASHER, Plain, 5/16
36	1665898	1	ROD, Brake
37	1924940	1	WASHER, Standard
38	1669586	1	ROLLER
39	1678100	2	WASHER, Spring
40	960171	1	WASHER, Nylon
41	1669313	1	PAD, Brake
42	1925160	2	RIVET, Pop
43	1707335	1	GASKET, Foam
	30" MULCHER ONLY (see inset)		
44	1706992	1	PLATE, Discharge (30" Mulcher)
45	1931332	2	CARRIAGE, Bolt, 5/16-18 x 5/8 (30" Mulcher)
46	1917356	2	LOCKWASHER, 5/16 (30" Mulcher)
47	1917372	2	NUT, Hex, 5/16-18 (30" Mulcher)



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	172622	4	BOLT, Shoulder
2	1924361	4	WASHER, Plain, 7/16
3	1664604	2	ARM
4	108412	2	BOLT, Shoulder
5	1922755	2	WASHER
6	1663752	2	SPACER
7	1930645	4	LOCKNUT, Flange, Centerlock, 3/8-16 (Qty. 2 on 1691438)
8	1916950	7	NUT, Full, Whizlock 3/8-16
9	172454	2	SPACER
10	1665685	2	ROLLER SUPPORT ASSY.
11	1960020	4	WASHER, Plain, 5/8
12	1668487	2	ROLLER
13	153124	4	RING, Retaining
14	1664598	2	ARM, Adjusting
15	1919262	2	NUT, Jam, 1/2-20
16	157215	2	BOLT, Eye
17	1928352	2	LOCKNUT, Flange, Whiz, 3/8-16
18	1921210	4	CAPSCREW, Hex, 3/8-16 x 1
19	1611705	3	SPACER
20	1920415	1	CAPSCREW, Hex, 3/8-16 x 1-1/4
21	1666183	1	SUPPORT ARM ASSY.
	30" MULCHER ONLY (see inset)		
22	108717	2	SPACER
23	1706498	2	BRACKET, Roller
24	1665693	2	BOLT, Shoulder

NOTE: Deflector must lay flat against housing. Bend rod (Ref. No. 12) and clip (Ref. No. 3) up if required.



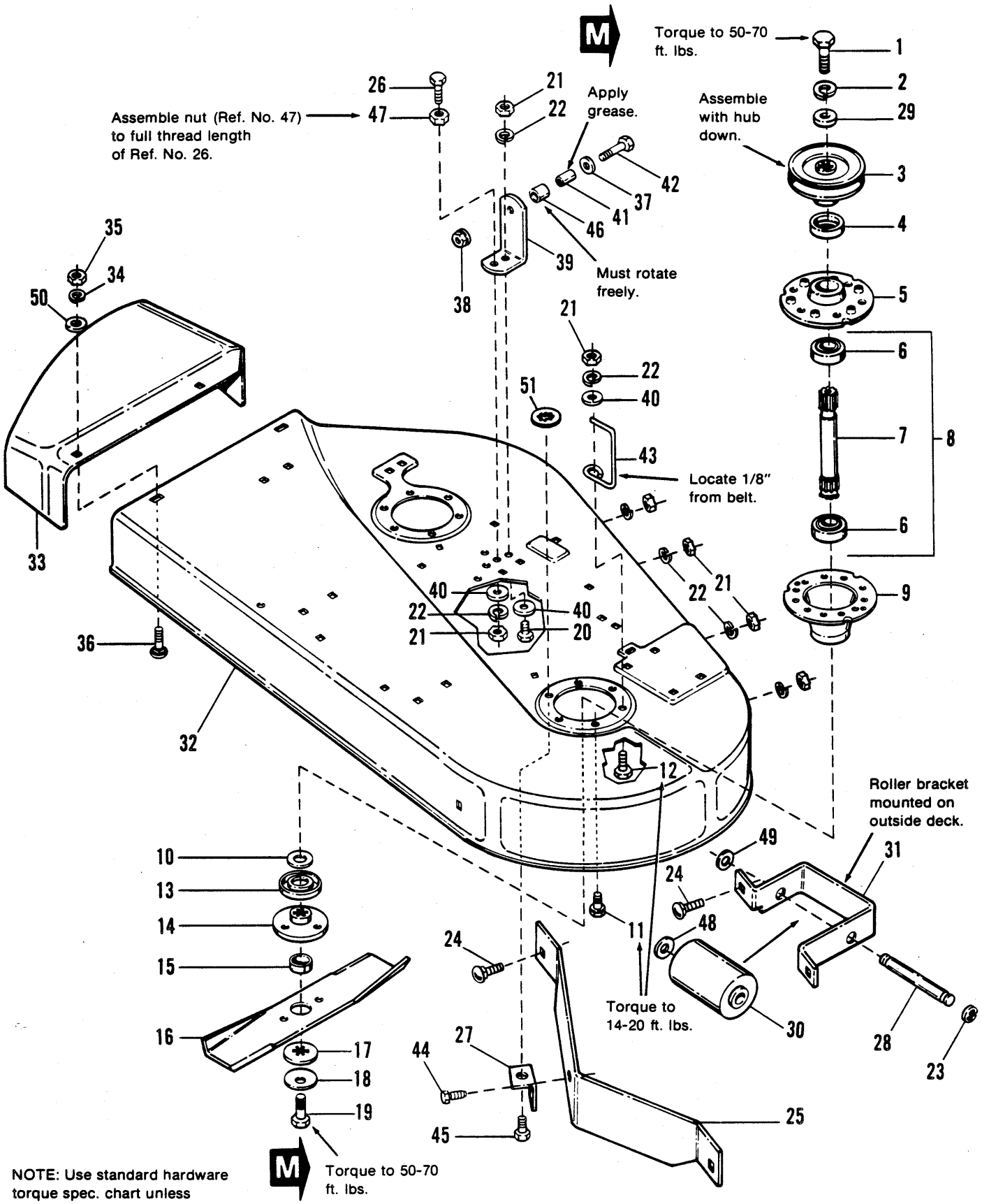
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1665024	1	V-BELT
2	1921319	3	WASHER, Plain, 9/32
3	1704873	1	CLIP, 5/16
4	1704276	1	DECAL, Danger (1691992, 1691438)
	1676921	1	DECAL, Danger (1691147 only)
5	1918448	1	PIN, Cotter, 3/32 x 1
6	1665594	1	ROD, Lift
7	156306	2	PIN
8	1960074	3	CLIP, Hairpin
9	1931317	2	BOLT, Carriage, 1/4-20 x 3/4
10	1916964	2	LOCKWASHER, 1/4
11	1916622	2	NUT, Hex, 1/4-20
12	1664947	1	ROD, Deflector, Front
13	1664953	1	SPRING
14	1665036	1	DEFLECTOR
15	1924940	1	WASHER, Plain, 3/8
16		1	PLATE, I.D.
17		1	DECAL, OPEI
18	1676922	1	DECAL, Danger Mower (1691147 only)
	1704277	1	DECAL, Danger Mower (1691992, 1691438)

SAFETY DECALS

Ref. No. 4

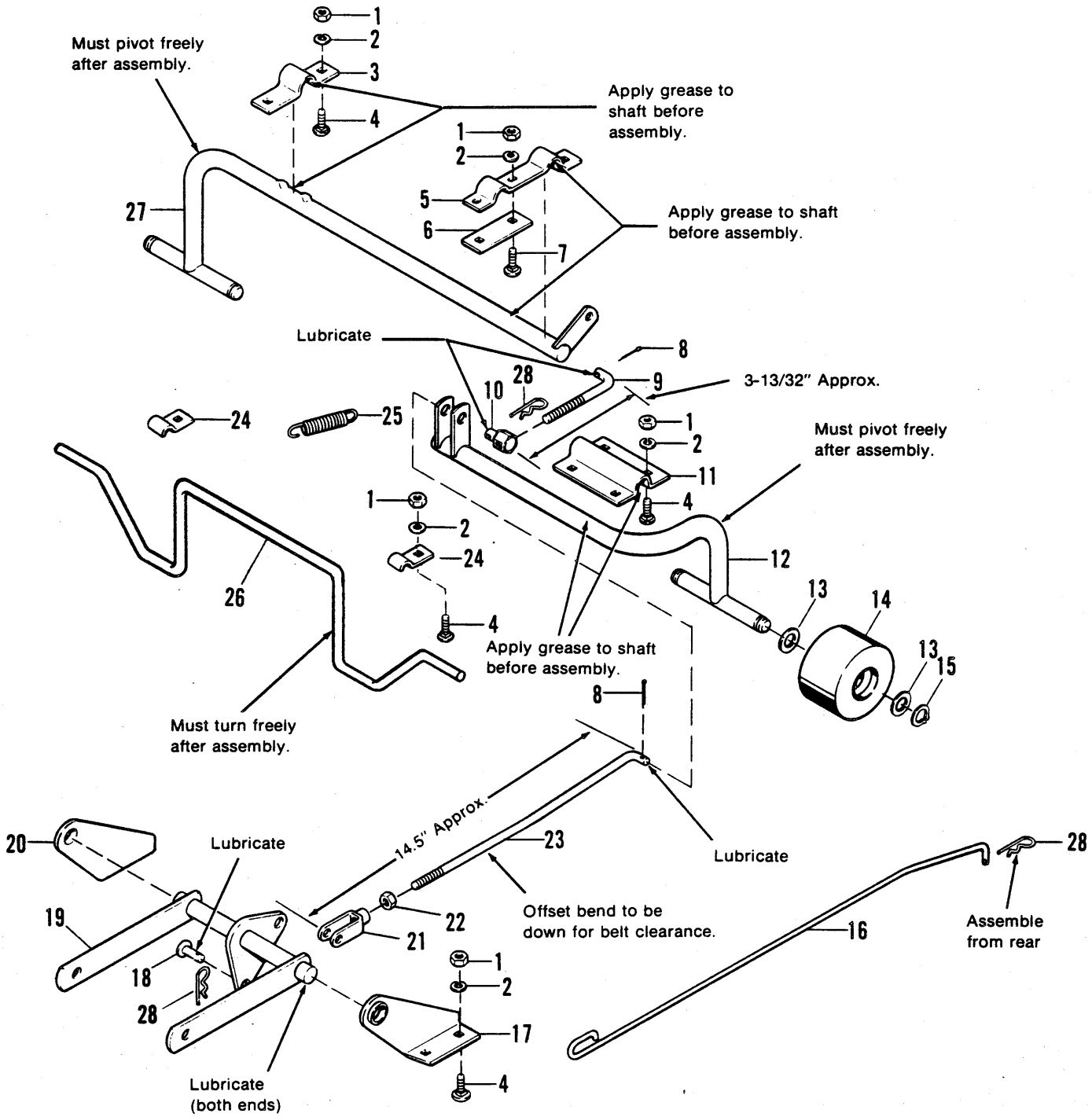
Ref. No. 18


Torque to 50-70 ft. lbs.
Assemble nut (Ref. No. 47) to full thread length of Ref. No. 26.
Apply grease.
Assemble with hub down.
Must rotate freely.
Locate 1/8" from belt.
Roller bracket mounted on outside deck.
Torque to 14-20 ft. lbs.
Torque to 50-70 ft. lbs.

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

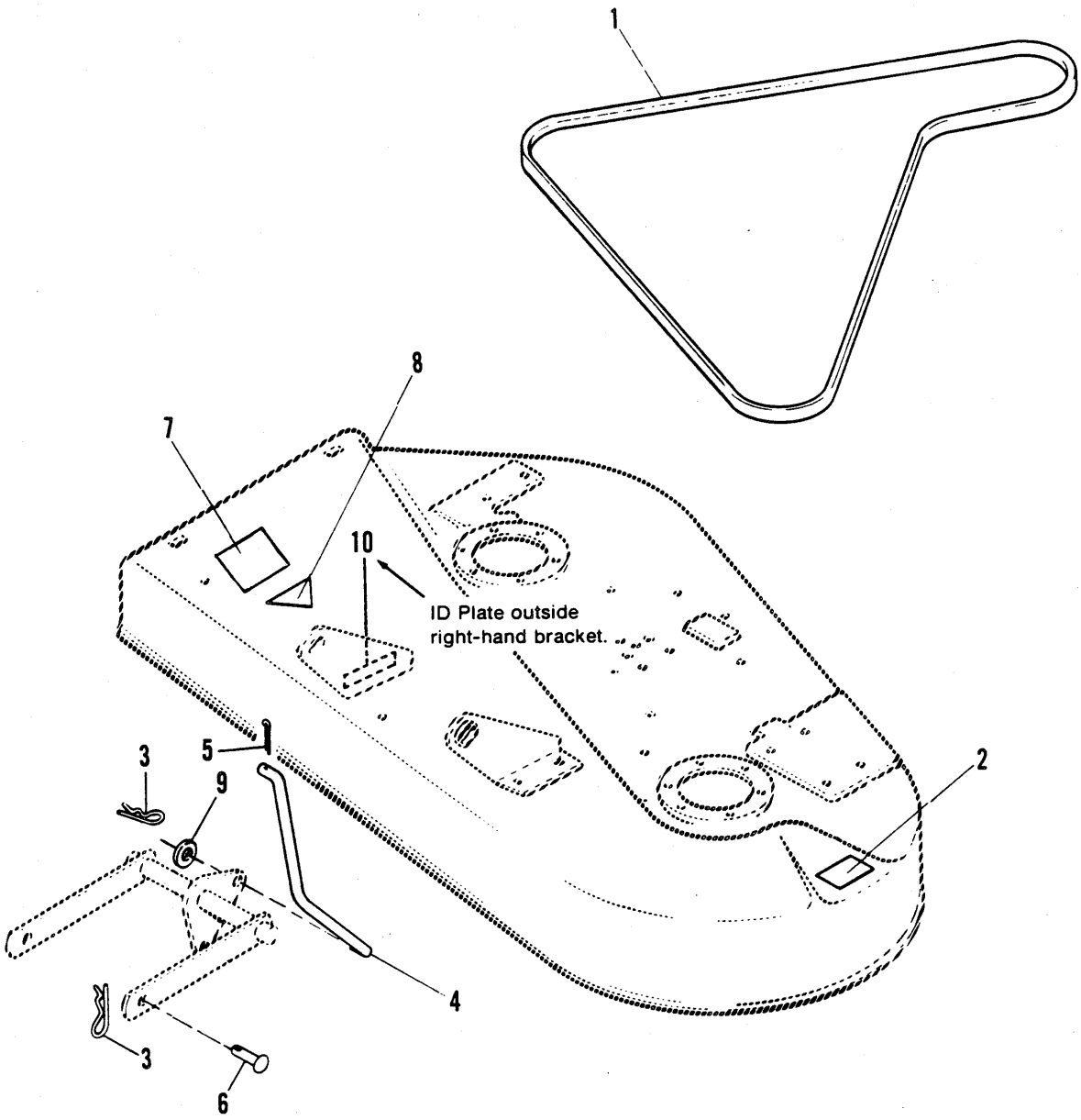
Ref. No.	Part No.	Qty.	Description
1	1923451	2	CAPSCREW, Hex, 7/16-14 x 1-1/2
2	1918199	2	LOCKWASHER, 7/16
3	1664858	2	DRIVE PULLEY ASSY.
4	1657969	2	SHIELD, Upper Grass
5	1655729	2	HOUSING, Top
6	108202	4	BEARING
7	1685245	2	SHAFT (Incl. Ref. No. 15)
8	1685251	2	SHAFT & BEARING ASSY. (Incl. Ref. Nos. 6, 7 & 15)
9	1703273	2	HOUSING, Bottom
10	1700230	2	WASHER, Shim
11	1664847	11	SCREW, Taptite, 5/16-18 x 5/8
12	1927477	1	SCREW, Taptite, 5/16-18 x 1
13	1700229	2	SHIELD, Lower Grass
14	1655777	2	ADAPTOR, Blade
15	1672132	2	COLLAR, Mower Arbor
16	1657589	2	BLADE
17	1656927	2	WASHER, Spline
18	1656916	2	WASHER, Spring
19	1923491	2	CAPSCREW, Hex, 7/16-14 x 1
20	1921333	1	CAPSCREW, Hex, 5/16-18 x 1
21	1917372	8	NUT, Hex, 5/16-18
22	1917356	8	LOCKWASHER, 5/16
23	927793	1	E-RING
24	1931333	4	BOLT, Carriage, 5/16-18 x 3/4
25	1671577	1	BAFFLE
26	1921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
27	1668500	1	BRACKET, Mower
28	1603205	1	SHAFT, Center Roller
29	1933263	2	WASHER, 29/64
30	1668513	1	ROLLER, Small
31	1671592	1	BRACKET, Center Roller
32	71685320	1	HOUSING, 36"
33	1702190	1	DEFLECTOR
34	1916965	2	LOCKWASHER, 3/8
35	1916950	2	NUT, Hex, 3/8-16
36	1922110	2	BOLT, Carriage, 3/8-16 x 3/4
37	1960103	1	WASHER, Plain
38	1930645	1	LOCKNUT, Hex, Flange, 3/8-16
39	1667153	1	SUPPORT, Up-Stop
40	1919326	3	WASHER, Plain, 5/16
41	1669585	1	SPACER
42	1922606	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
43	1657660	1	STOP, Belt
44	1921332	1	CAPSCREW, Hex Hd., 5/16-18 x 3/4
45	1930595	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
46	1669586	1	ROLLER
47	1920161	1	NUT, Hex, Jam, 5/16-18
48	1678100	1	WASHER, Spring
49	960171	1	WASHER, Nylon
50	1924940	2	WASHER, Plain
51	1933988	1	PUSH NUT

NOTE: See Operator's Manual for mower leveling procedures



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1917372	15	NUT, Hex, 5/16-18
2	1917356	15	LOCKWASHER, 5/16
3	1663942	1	STRAP
4	1931333	4	BOLT, Carriage, 5/16-18 x 3/4
5	1663943	1	CLAMP, Wheel Support
6	1664002	1	SPACER
7	1931335	2	BOLT, Carriage, 5/16-18 x 1
8	1918447	2	PIN, Cotter, 3/32 x 3/4
9	1655811	1	ROD, Bolt
10	108512	1	PIVOT
11	1653768	1	CLAMP
12	1663945	1	WHEEL SUPPORT ASSY., L.H.
13	1960020	8	WASHER, 41/64
14	1668487	4	ROLLER
15	153124	4	RING, Retainer
16	1665900	1	ROD, Brake
17	1663936	1	BRACKET, Front, L.H.
18	1923087	1	PIN, Yoke
19	1664848	1	SUPPORT ARM ASSY.
20	1663937	1	BRACKET, Front, R.H.
21	108157	1	CLEVIS, Adjusting
22	1916950	1	NUT, Hex, 3/8-16
23	1663938	1	ROD, Link
24	1664004	2	CLIP
25	175290	1	SPRING
26	1703113	1	BRAKE, Mower
27	1663947	1	WHEEL SUPPORT ASSY., R.H.
28	1960074	3	CLIP, Hairpin


1
8
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ID Plate outside
right-hand bracket.
3
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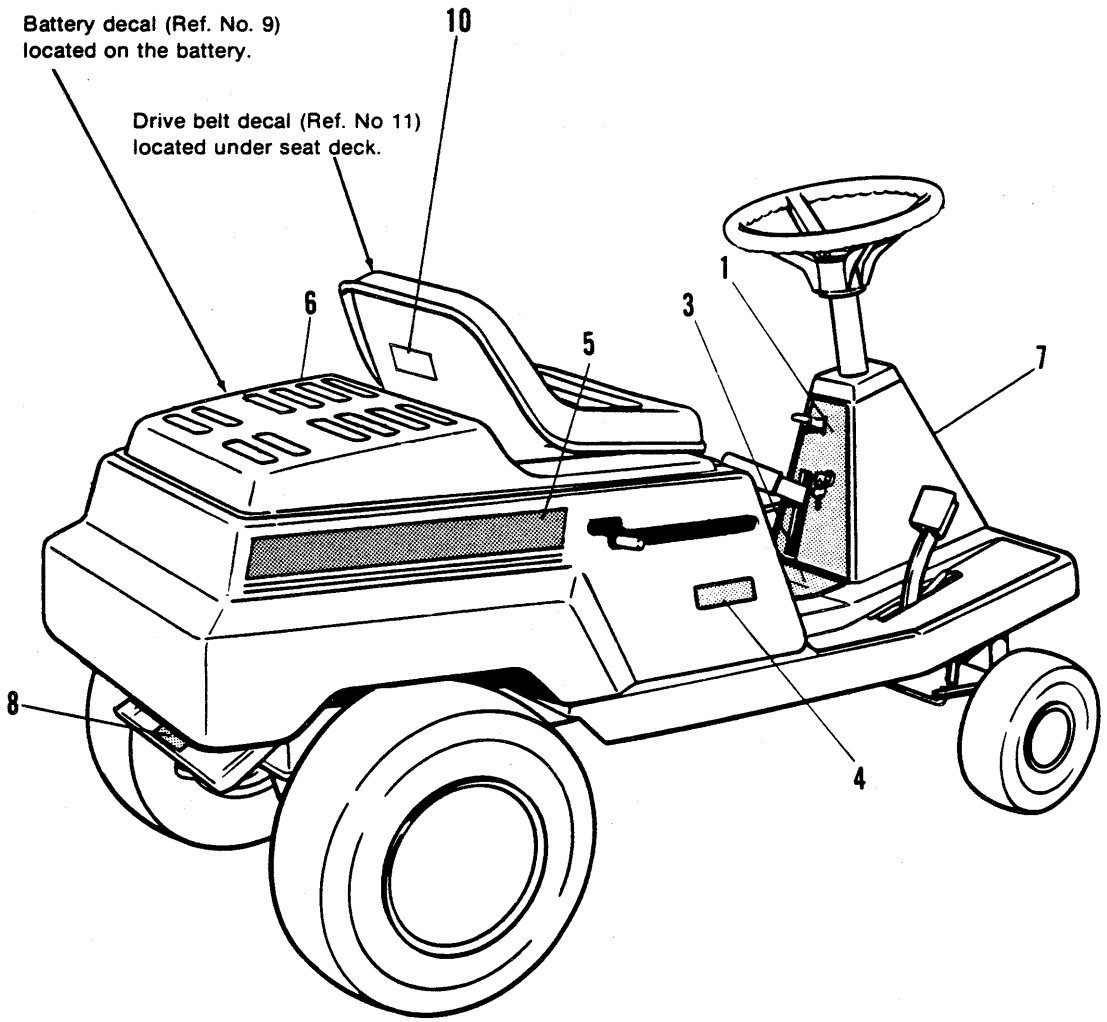
Ref. No.	Part No.	Qty.	Description
1	108508	1	V-BELT
2	1704276	1	DECAL, Danger
3	1960074	3	CLIP, Hairpin
4	1665788	1	ROD, Lift
5	1918448	1	PIN, 3/32 x 1
6	156306	2	PIN
7	1704277	1	DECAL, Warning
8		1	DECAL, OPEI
9	1924940	1	WASHER, Plain, 3/8
10		1	PLATE, I.D.

SAFETY DECALS

Ref. No. 2

Ref. No. 7


Battery decal (Ref. No. 9)
located on the battery.
10
Drive belt decal (Ref. No 11)
located under seat deck.
6
5
1
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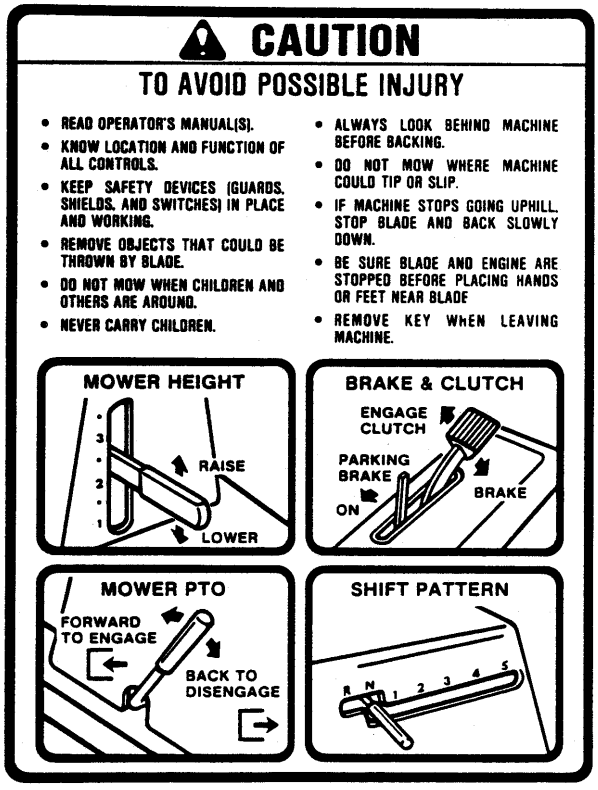
8
4

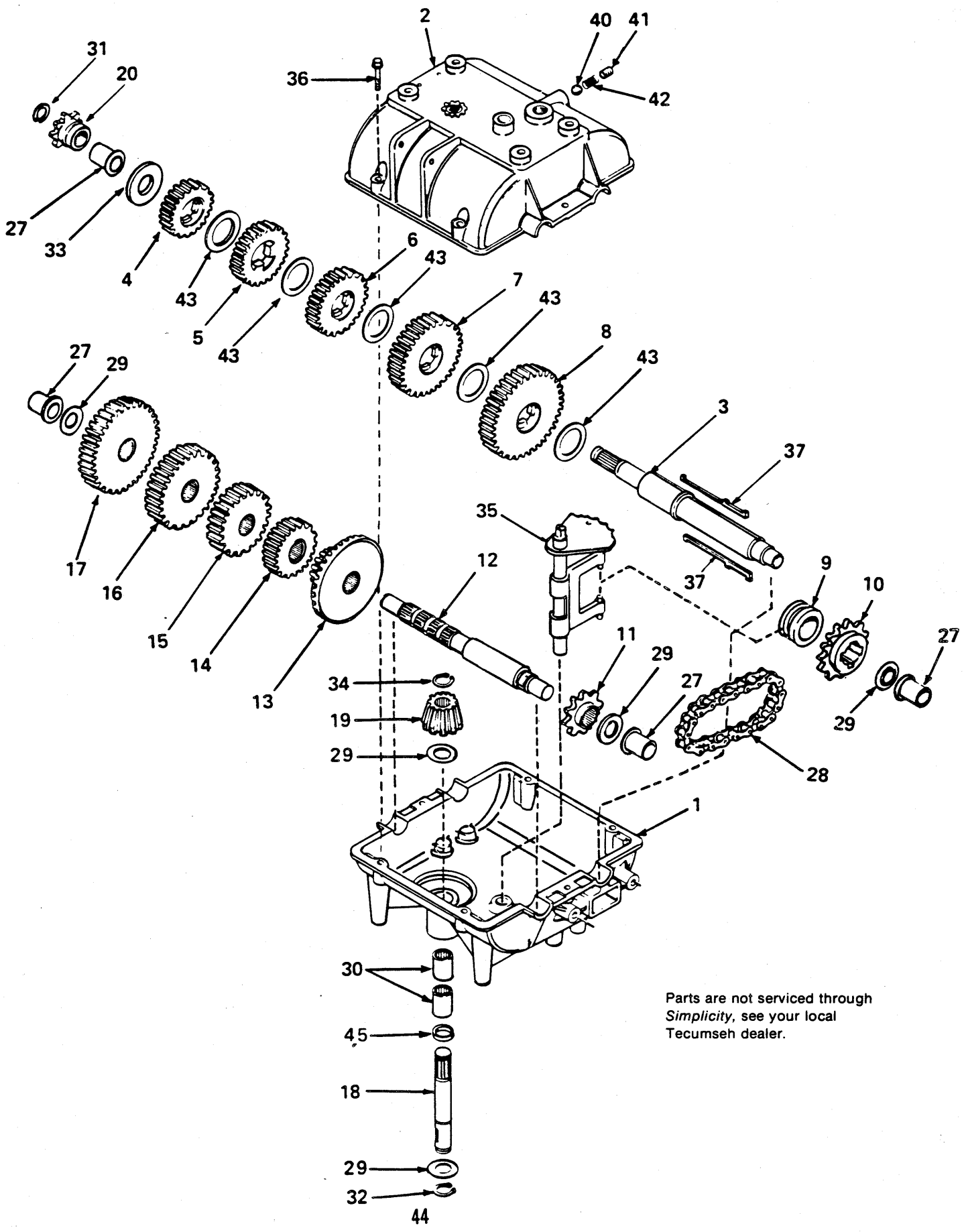
Ref. No.	Part No.	Qty.	Description
1	1663973	1	DECAL, Instrument Panel (Use with all models except those built with B/S engine models 254707 and 257707).
	1707401	1	DECAL, Instrument Panel (Use with models built with B/S Engine models 254707 and 257707)
3	1676918	1	DECAL, Caution & Controls
4	1707148	2	DECAL, 10 HP (1691995)
	1677336	2	DECAL, 10 HP Electric Start (1691113, 1691539)
	1677337	2	DECAL, 8 HP Electric Start (1691111, 1691552)
5	1677339	1	DECAL, Side, L.H.
6	1677338	1	DECAL, Side, R.H.
7	1677230	1	DECAL, Sprint
8	1676920	1	DECAL, Danger Hot Surface
9		1	DECAL, Battery (Not Serviced)
10	1677235	1	DECAL, Seat
11	1707993	1	DECAL, Drive Belts (Under Seat Deck)

SAFETY DECALS


CAUTION
TO AVOID POSSIBLE INJURY
• READ OPERATOR'S MANUAL(S).
• KNOW LOCATION AND FUNCTION OF ALL CONTROLS.
• KEEP SAFETY DEVICES (GUARDS, SHIELDS, AND SWITCHES) IN PLACE AND WORKING.
• REMOVE OBJECTS THAT COULD BE THROWN BY BLADE.
• DO NOT MOW WHEN CHILDREN AND OTHERS ARE AROUND.
• NEVER CARRY CHILDREN.
• ALWAYS LOOK BEHIND MACHINE BEFORE BACKING.
• DO NOT MOW WHERE MACHINE COULD TIP OR SLIP.
• IF MACHINE STOPS GOING UPHILL, STOP BLADE AND BACK SLOWLY DOWN.
• BE SURE BLADE AND ENGINE ARE STOPPED BEFORE PLACING HANDS OR FEET NEAR BLADE
• REMOVE KEY WHEN LEAVING MACHINE.
MOWER HEIGHT
RAISE
LOWER
BRAKE & CLUTCH
ENGAGE CLUTCH
PARKING BRAKE
ON
BRAKE
MOWER PTO
FORWARD TO ENGAGE
BACK TO DISENGAGE
SHIFT PATTERN
R N 1 2 3 4 5

Ref. No. 3

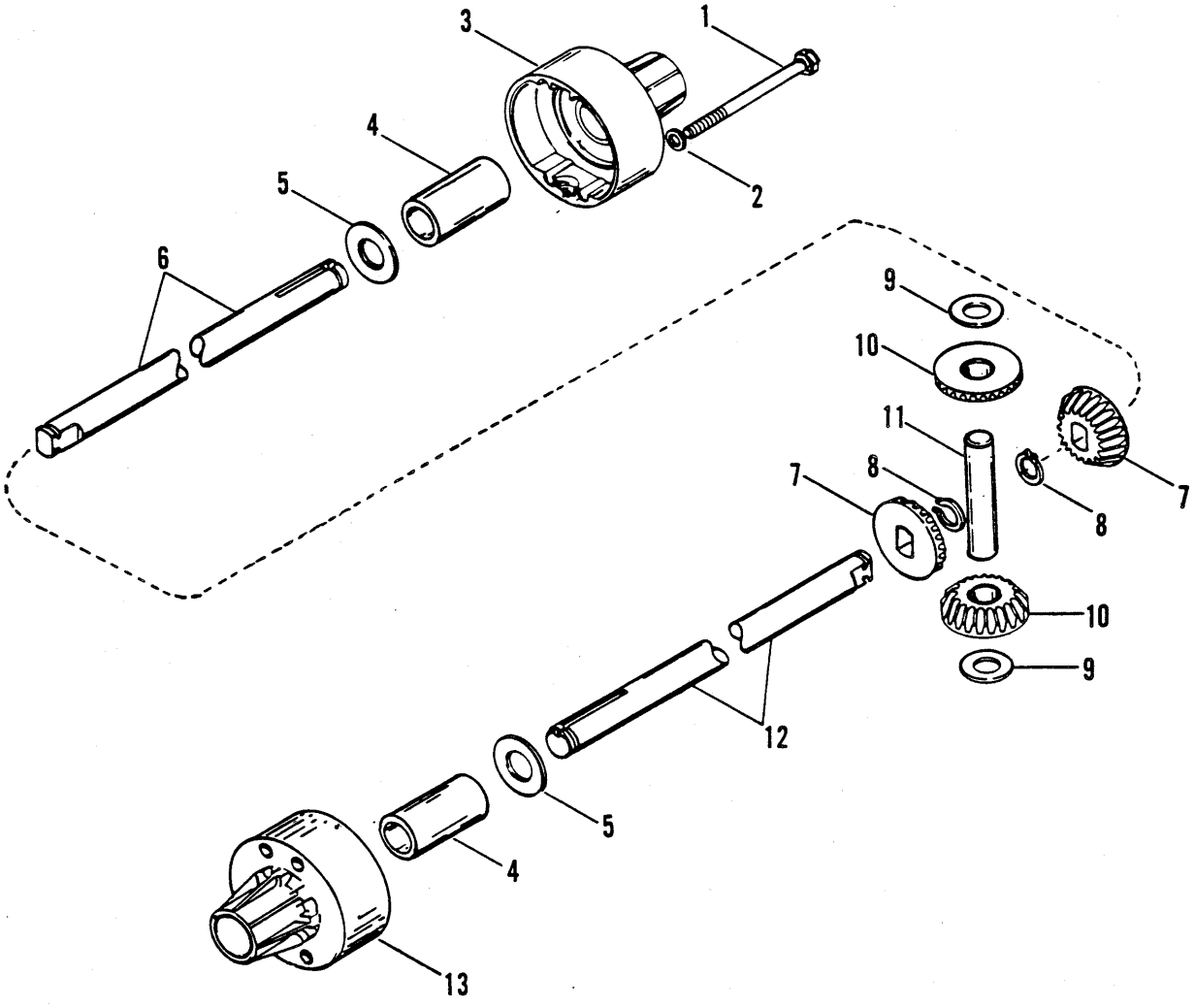
Ref. No. 8



Parts are not serviced through *Simplicity*, see your local Tecumseh dealer.

Ref. No.	Part No.	Qty.	Description
1	770061		CASE, Transmission
2	772070		COVER, Transmission
3	776164		SHAFT, Output
4	778121A		GEAR, Spur (20 teeth)
5	778122		GEAR, Spur (22 teeth)
6	778123		GEAR, Spur (25 teeth)
7	778124		GEAR, Spur (30 teeth)
8	778125		GEAR, Spur (35 teeth)
9	784266		COLLAR, Shift
10	786082		SPROCKET (18 teeth)
11	786082		SPROCKET (9 teeth)
12	776134		SHAFT, Counter
13	778109		GEAR, Bevel (42 teeth & 15 tooth spur gear)
14	778126		GEAR, Spur (20 teeth)
15	778127		GEAR, Spur (25 teeth)
16	778128		GEAR, Spur (28 teeth)
17	778129		GEAR, Spur (30 teeth)
18	776135		SHAFT, Input
19	778113A		BEVEL PINION, Input
20	786047		SPROCKET (8 teeth)
27	780105		BUSHING, Flanged
28	876081		CHAIN, Roller (No. 41 chain, 24 links)
29	780072		RACE, Thrust
30	780086		BEARING, Needle
31	792072		RING, Retaining
32	792035		RING, Retaining
33	780109		WASHER
34	788040		RING, Retaining
35	784267		ROD & FORK ASSY., Shift
36	792073		SCREW, Hex Hd., Taptite, 1/4-20 x 1-1/4
37	792089A		KEY
40	792077		BALL, Steel, 5/16
41	792078		SCREW, Set, 3/8-16 x 3/8
42	792079		SPRING
43	780108		WASHER, Thrust
45	792001		RING, Square Cut

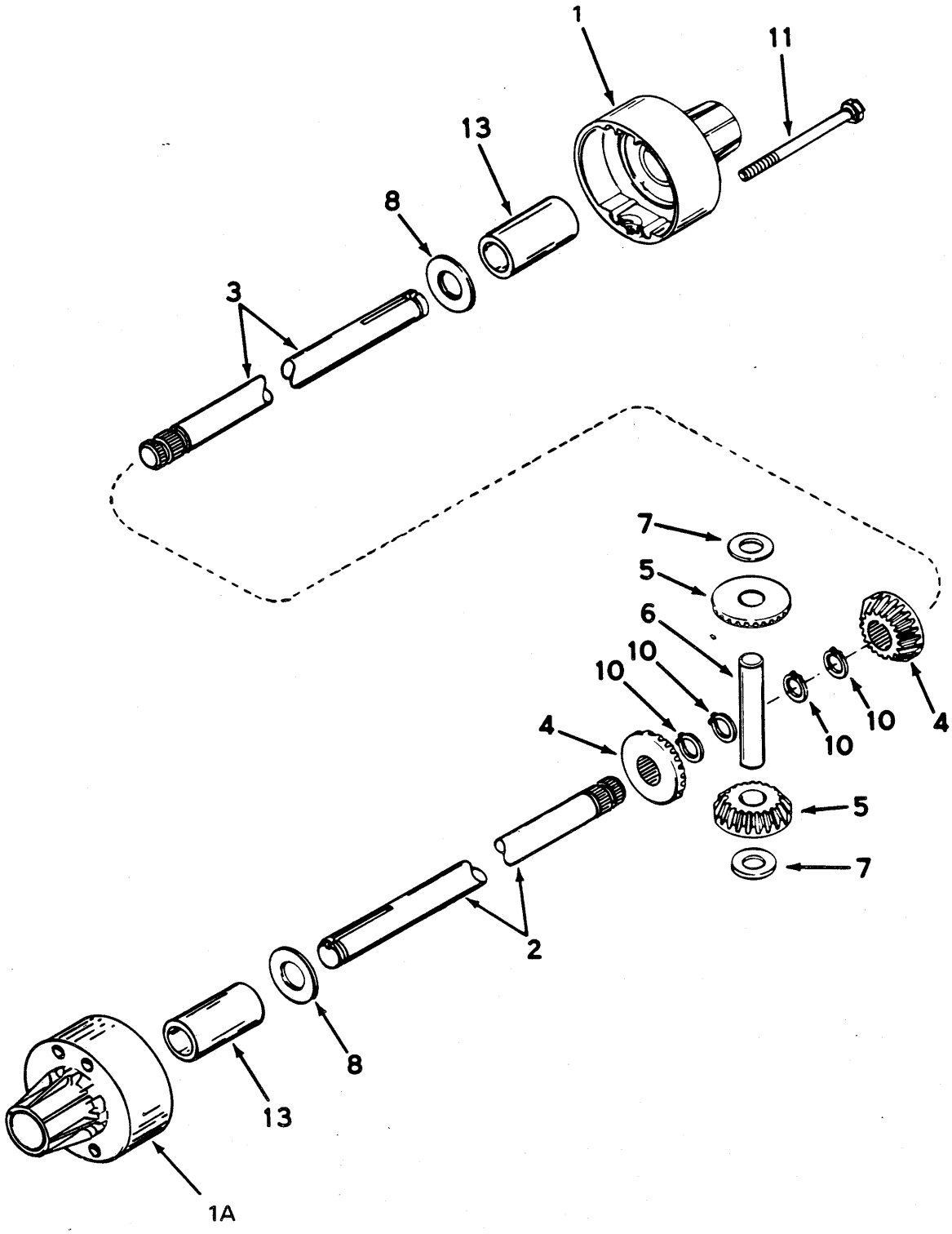
Parts are not serviced through Deutz-Allis Lawn & Garden Equipment, order from your local Tecumseh distributor.



Parts are not serviced through *Simplicity*. See your local Tecumseh dealer.

Ref. No.	Part No.	Qty.	Description
1	792044	4	CAPSCREW, Hex, 5/16-18 x 4
2	729061	4	WASHER
3	774345	1	HOUSING, Differential (Includes Ref. No. 4)
4	780077	2	BUSHING
5	780001	2	WASHER
6	774442	1	AXLE
7	778067	2	GEAR, Bevel
8	792018	2	RING, Snap
9	780096	2	WASHER, Thrust
10	778068	2	GEAR, Pinion
11	786040	1	PIN, Drive
12	774443	1	AXLE
13	774344	1	HOUSING, Differential (Includes Ref. No. 4)

Parts are not serviced through Deutz-Allis Lawn & Garden Equipment, order from your local Tecumseh Distributor.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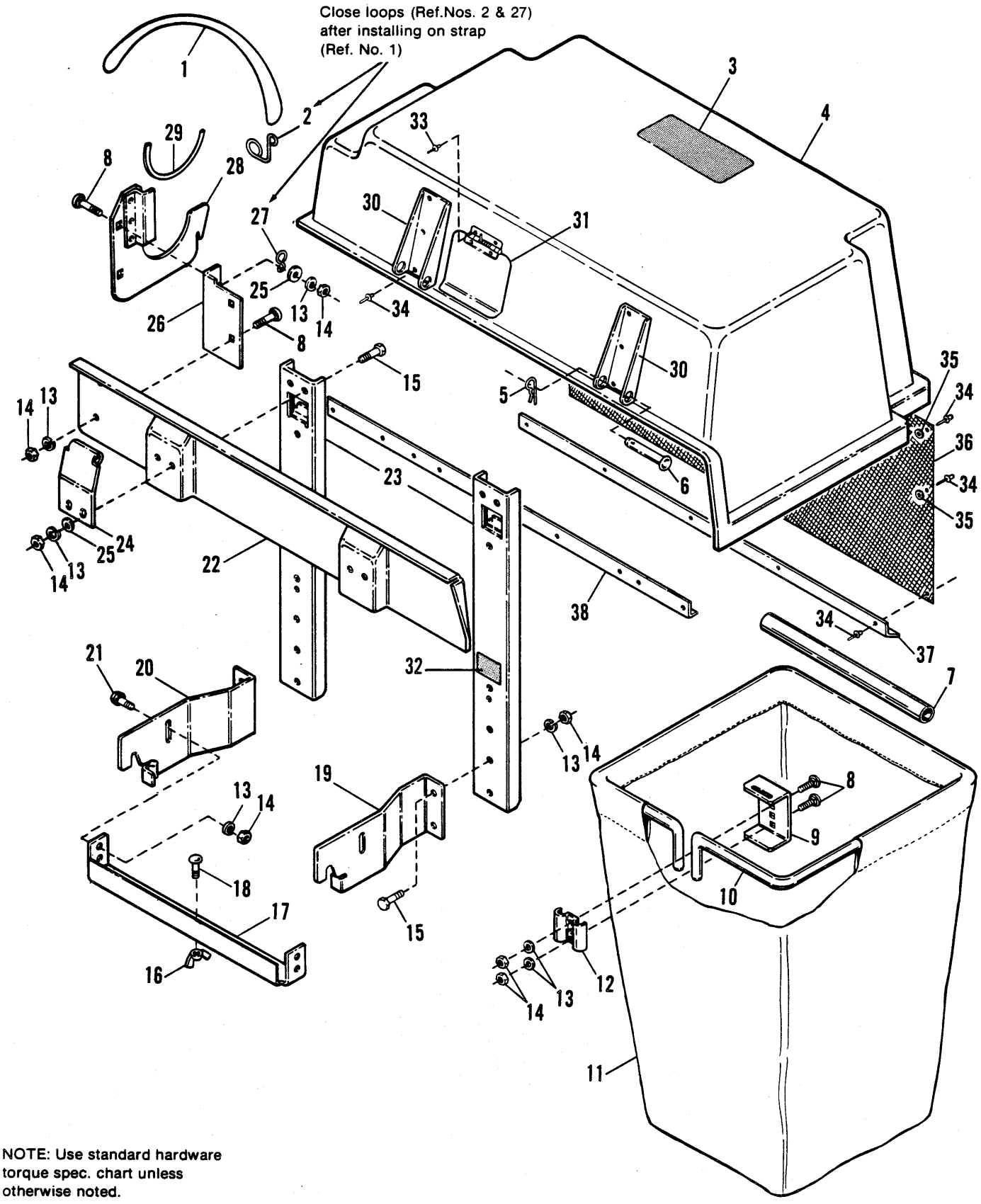
1A

Ref. No.	Part No.	Qty.	Description
1	774345	1	HOUSING, Differential Carrier (Incl. Ref. No. 13)
1A	774344	1	HOUSING, Differential Carrier (Incl. Ref. No. 13)
2	774725A	1	AXLE (8-19/32" Long)
3	774719A	1	AXLE (16-29/32" Long)
4	778221	2	GEAR, Bevel
5	778068	2	GEAR, Bevel
6	786040	1	PIN, Drive
7	780096	2	WASHER, Thrust
8	780001	2	WASHER
10	792125	4	RING, Retaining (Pkg. of 2)
11	792044	4	SCREW, Flanged Hex Hd., 5/16-18 x 3-15/16
13	780077	2	BUSHING

SPROCKET CHART

Part Number	No. of Teeth	O.D.
786041A	45	7.389
786042	50	6.650
786043	54	8.823
786051	60	9.841
786070	48	7.920

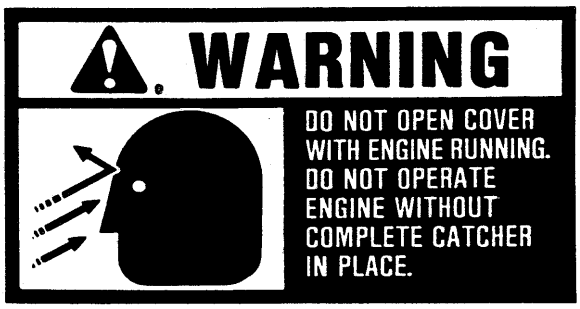
A-**676
A-**685



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1665872	1	STRAP
2	1672688	1	HOOK, Strap
3	1676923	1	DECAL, Warning
4	1675293	1	COVER ASSY. (Incl. Ref. Nos. 3, 30, 32 & 33 thru 38)
5	1960074	2	CLIP, Hair Pin
6	1672344	2	PIN
7	1675707	2	TUBE, Clip
8	1923055	8	BOLT, Carriage, 5/16-18 x 7/8
9	1672333	2	HANGER
10	1673602	2	HOOP, Bag
11	1672346	2	BAG, Grass
12	1672023	2	CLAMP
13	1917356	24	LOCKWASHER, 5/16
14	1917372	24	NUT, Hex, 5/16-18
15	1923325	8	CAPSCREW, Hex, 5/16-18 x 7/8
16	1933126	1	NUT, Winglock, 5/16-18
17	1672336	1	BRACE, Lower
18	1921158	1	BOLT, Carriage, 5/16-18 x 1
19	1677475	1	SUPPORT, L.H.
20	1677476	1	SUPPORT, R.H.
21	1930591	4	SCREW, Hex, Whizlock, Flange, 5/16 x 3/4
22	1672341	1	SUPPORT PLATE, Cover
23	1672337	2	BRACE, Upper
24	1672345	2	HINGE, Plate
25	1919326	5	WASHER, 11/32
26	1672325	1	MOUNT, Saddle Bracket
27	1672689	1	"S" HOOK
28	1672335	1	BRACKET ASSY., Saddle
29	1673874	1	TRIM
30	1672324	2	BRACKETS, Hinge
31	1673201	1	DOOR (with hinge)
32	1676924	1	DECAL (Catcher Frame)
33	1673450	2	RIVET, Pop
34	1673320	32	RIVET, Pop
35	910531	4	WASHER, Rivet
36	1672340	1	SCREEN
37	1672322	1	BRACKET
38	1672323	1	BRACKET, Front Cover

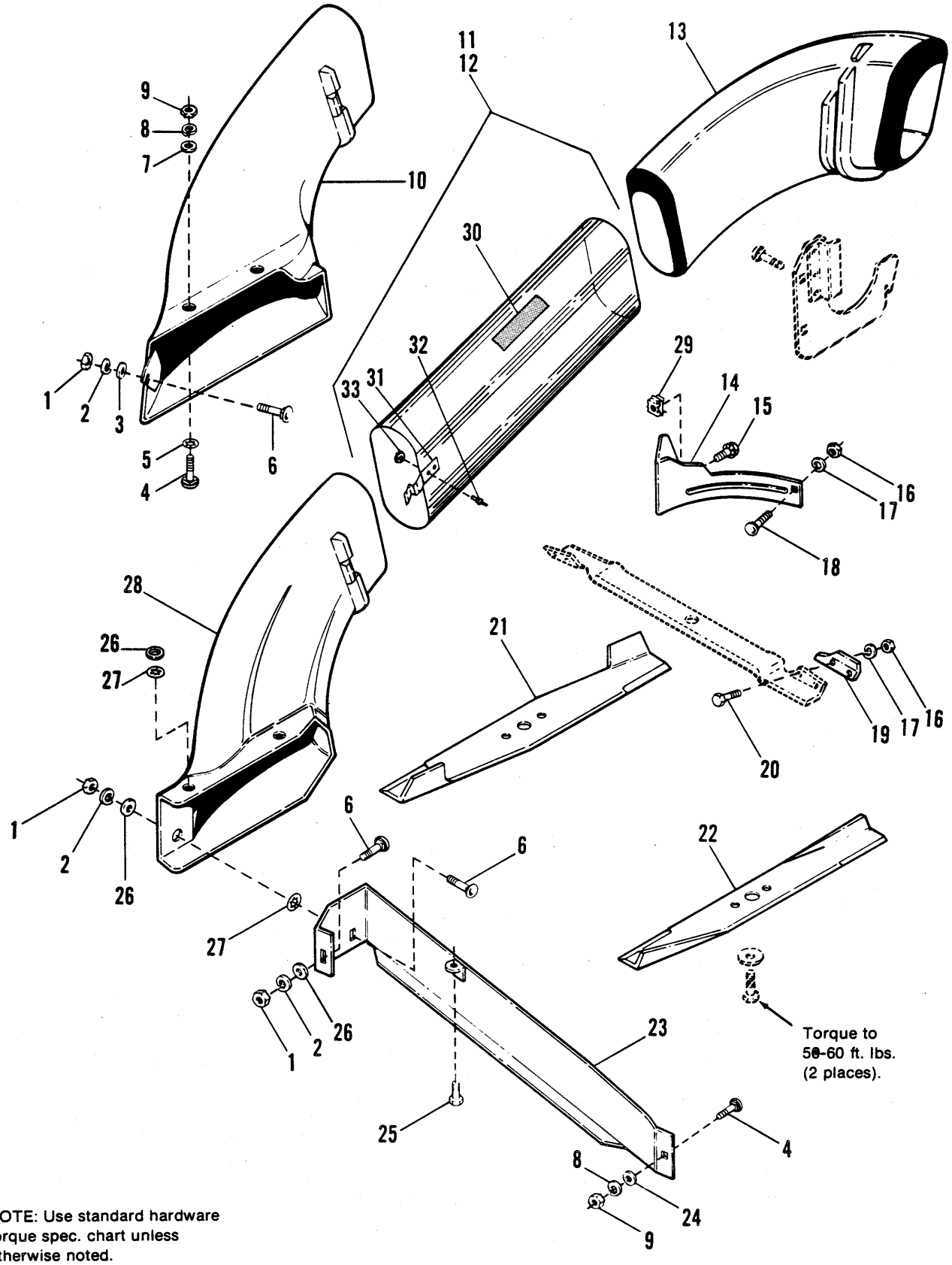
SAFETY DECALS



Ref. No. 3

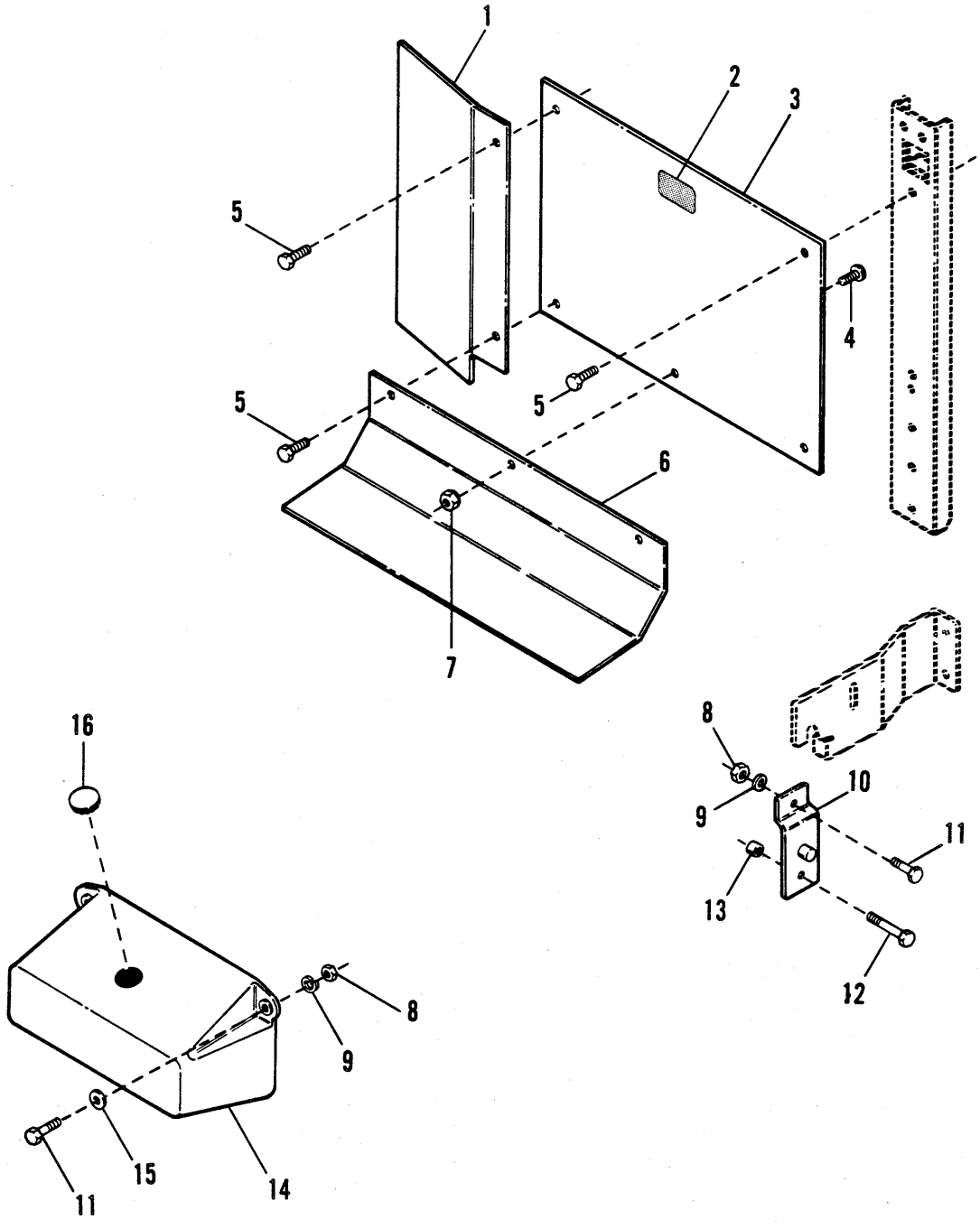
Ref. No. 32

A-**677



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1916950	2	NUT, Hex, 3/8-16 (Qty 1 on 1690822)
2	1916965	2	LOCKWASHER, 3/8 (Qty. 1 on 1690822)
3	1922755	1	WASHER, 13/32 x 1 (1690822 only)
4	1923055	2	BOLT, Carriage, 5/16-18 x 7/8
5	1933988	2	NUT, Push On (1690822 only)
6	1931348	2	BOLT, Carriage, 3/8-16 x 3/4 (Qty. 1 on 1690822)
7	1960044	2	WASHER (1690822 only)
8	1917356	2	LOCKWASHER, 5/16 (Qty. 1 on 1690820)
9	1917372	2	NUT, Hex, 5/16-18 (Qty. 1 on 1690820)
10	1673202	1	ADAPTOR ASSY. (1690822 only)
11	1673683	1	TUBE ASSY. (1690820 only) (Incl. Ref. Nos. 30-33)
12	1673681	1	TUBE ASSY. (1689822 only) (Incl. Ref. Nos. 30-33)
13	1669793	1	ELBOW
14	1672171	1	BAFFLE, Deflector, Side (1690820 only)
15	1931646	1	SCREW, Whizlock, 1/4-20 x 1/2 (1690820 only)
16	1916622	4	NUT, Hex, 1/4-20 (Qty. 1 on 1690820)
17	1916964	4	LOCKWASHER, 1/4 (Qty. 1 on 1690820)
18	1923333	1	BOLT, Carriage, 1/4-20 x 5/8 (1690820 only)
19	1665419	2	PLATE, Lift (1690822 only)
20	1935105	4	CAPSCREW, 1/4-20 x 5/8 (1690822 only)
21	1671565	1	BLADE, R.H. Side (1690820 only)
22	1671593	1	BLADE, L.H. Side (1690820 only)
23	1656053	1	BAFFLE ASSY., Discharge (1690820 only)
24	1917377	1	LOCKWASHER, 1/4 (1690820 only)
25	1924856	1	SCREW, Taptite, 5/16-18 x 1/2 (1690820 only)
26	1917378	4	WASHER, 3/8 (1690820 only)
27	1931942	3	NUT, Push On (1690820 only)
28	1669029	1	ADAPTOR (1690820 only)
29	1920462	1	NUT, Retainer, 1/4-20 (1690820 only)
30	1675766	1	DECAL, Cleaning Instructions.
31	1673757	1	SPRING, Retaining, Tube
32	928706	2	RIVET, Tube
33	910531	2	WASHER, Rivet

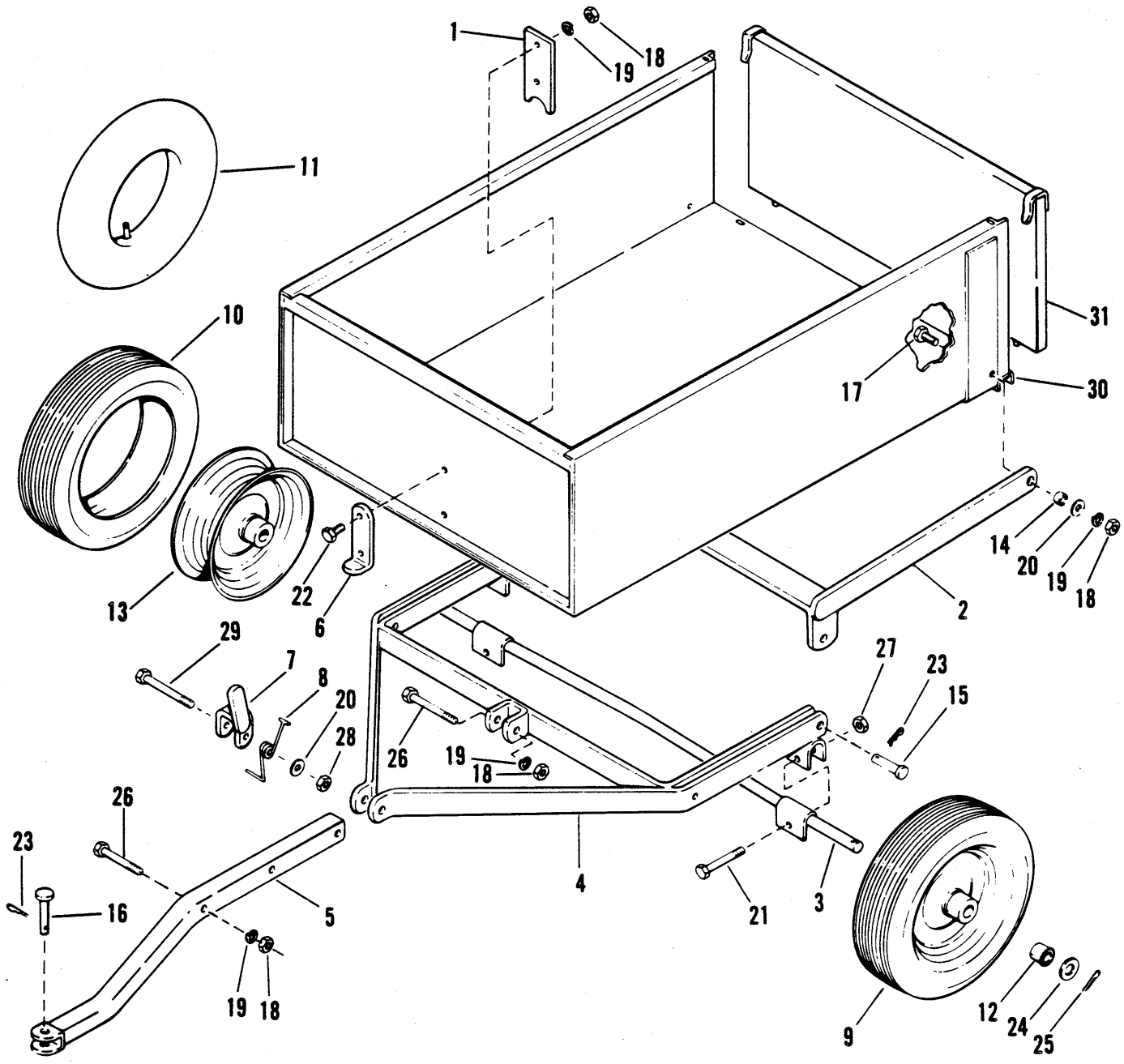


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1672652	1	HEAT DEFLECTOR, Side
2	1676920	1	DECAL, Hot Surface
3	1672587	1	HEAT DEFLECTOR, Upper
4	1930531	1	SCREW, Truss Hd., 10-32
5	1924856	4	SCREW, Taptite, 5/16-18 x 1/2
6	1672588	1	HEAT DEFLECTOR, Lower
7	1928919	1	NUT, Lock
8	1917372	4	NUT, 5/16-18
9	1917356	4	LOCKWASHER, 5/16
10	1673075	2	SUPPORT ASSY.
11	1921333	4	CAPSCREW, Hex, 5/16-18 x 1
12	1921221	2	CAPSCREW, Hex, 5/16-18 x 1-1/2
13	1665699	2	SPACER
14	1666739	1	COUNTERWEIGHT
15	1919381	2	WASHER, 11/32 x 1
16	1674020	1	PLUG, Hole

SAFETY DECAL

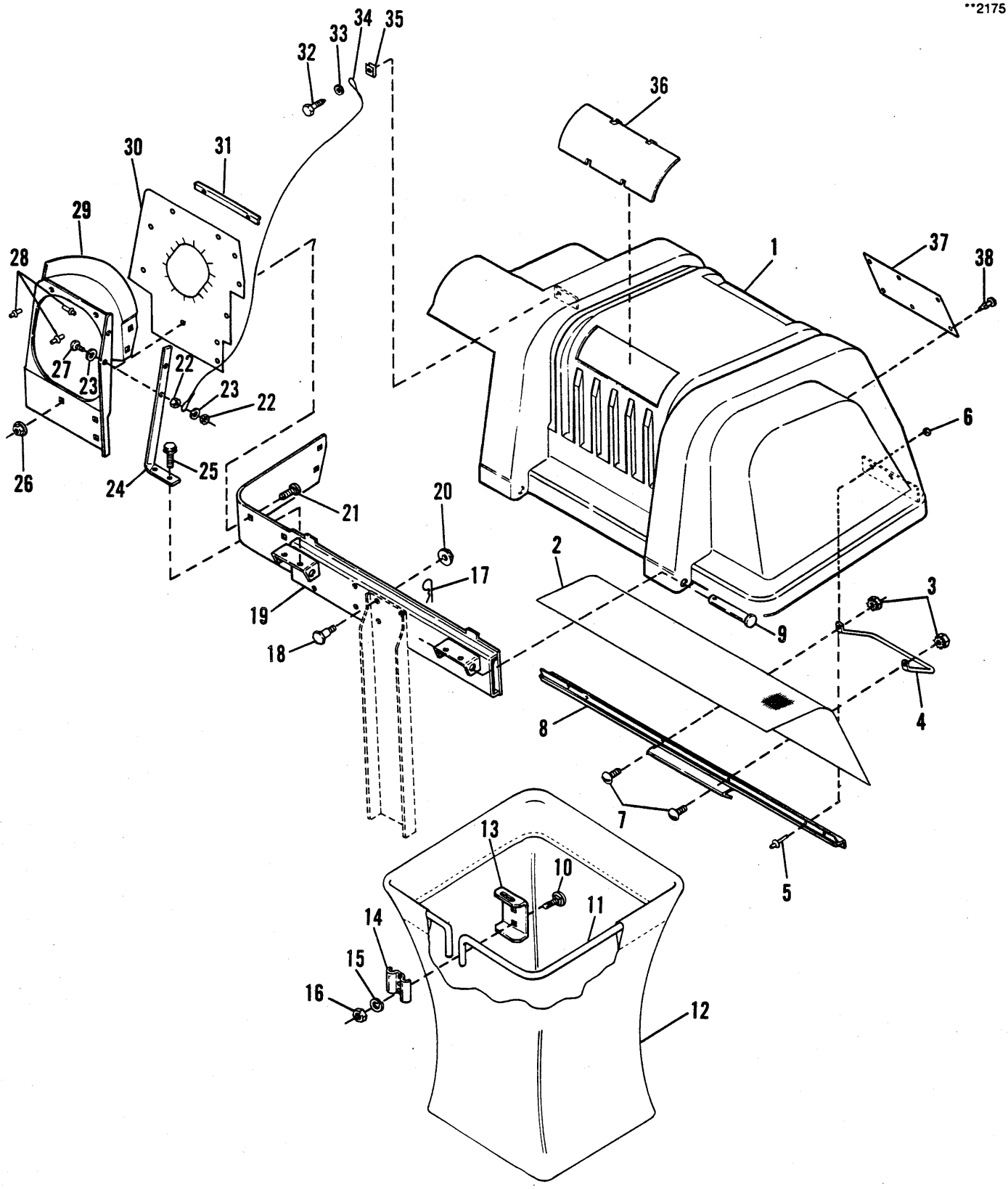
Ref. No. 2



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	102005	1	PLATE, Box Guide
2	102024	1	PIVOT, Box Assy.
3	102027	1	AXLE ASSEMBLY
4	102035	1	FRAME ASSEMBLY
5	102037	1	TONGUE ASSEMBLY
6	102040	1	PLATE, Box Catch
7	102051	1	CLEVIS ASSEMBLY
8	102075	1	SPRING, Tension
9	170320	2	WHEEL & TIRE ASSY. (Incl. Ref. No. 10-13)
10	102052	2	TIRE, 4.00 x 8
11	153038	2	TUBE, 4.80/4.00-8
12	156316	4	BEARING
13	170319	2	WHEEL
14	8151076	2	BUSHING
15	102004	2	PIN, Pivot
16	105249	1	PIN
17	1921210	2	CAPSCREW, Hex, 3/8-16 x 1
18	1916950	6	NUT, Hex, Full, 3/8-16
19	1916965	6	LOCKWASHER, 3/8
20	1924940	3	WASHER, 3/8
21	1921978	2	CAPSCREW, 5/16-18 x 2
22	1920415	2	CAPSCREW, Hex, 3/8-16 x 1-1/4
23	1918196	3	PIN, Quick
24	1918433	2	WASHER, Plain, 3/4
25	1918459	2	PIN, Cotter, 3/16 x 1-1/2
26	1922130	2	CAPSCREW, Hex, 3/8-16 x 2-1/4
27	1923362	2	LOCKNUT, Hex, Full, 5/16-18
28	1930651	1	LOCKNUT, Hex, Full, 3/8-16
29	930596	1	CAPSCREW, Hex, 3/8-16 x 2-3/4
30	1668478	1	BODY, Trailer
31	1668462	1	GATE END

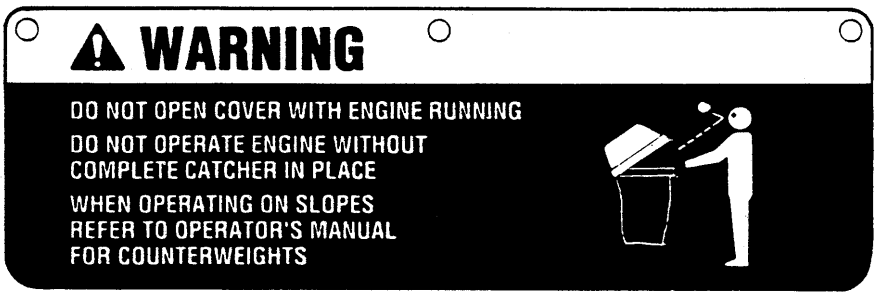
**2175



NOTE: Use standard hardware
torque spec. chart unless otherwise noted.

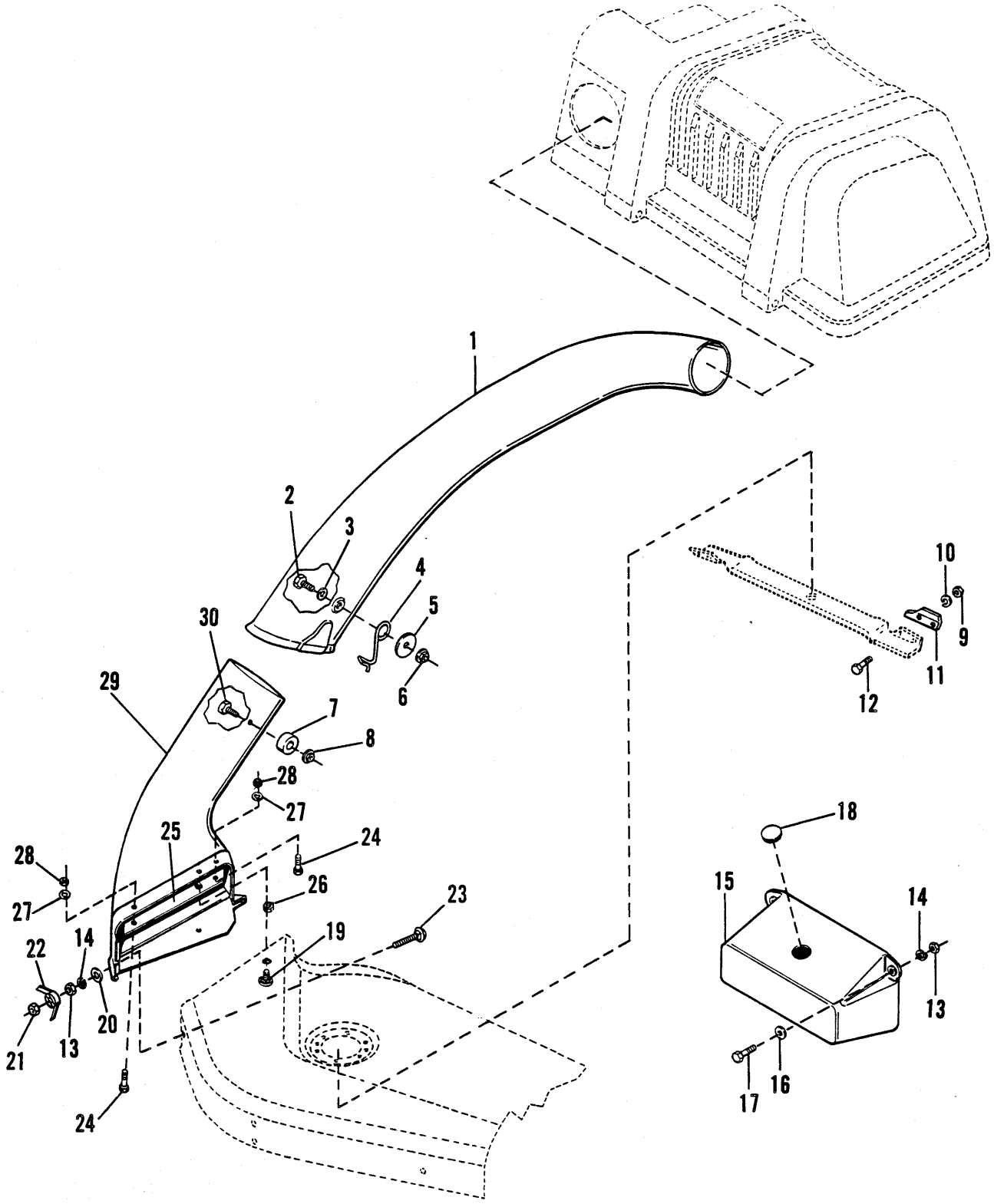
Ref. No.	Part No.	Qty.	Description
1	1704056	1	COVER (Incl. Ref. Nos. 2, 5, 6, 8 & 32-35)
2	1703700	1	SCREEN
3	1928919	2	NUT, Hex, #10-32
4	1703853	1	HANDLE, Latch
5	1675043	4	RIVET, Pop
6	1910531	4	WASHER
7	1930531	2	SCREW, Truss. Hd., #10-32 x 1/2
8	1704057	1	SEAL, Clip
9	960367	2	PIN, Round Head
10	1931333	4	CARRIAGE BOLT, 5/16-18 x 3/4
11	1703855	2	HOOP, Bag
12	1703764	2	BAG, Grass
13	1703807	2	HANGER
14	1672023	2	CLAMP
15	1917356	4	LOCKWASHER, 5/16
16	1917372	4	NUT, Hex, 5/16-18
17	1960221	2	PIN, Hair Clip
18	1921966	4	CAPSCREW, Hex Hd., 3/8-16 x 7/8
19	1703822	1	CROSS ASSY.
20	1928352	4	NUT, Hex Whizlock, 3/8-16
21	1960252	5	CARRIAGE BOLT, 1/4-20 x 5/8
22	1960077	2	NUT, Hex Lock, #8-32
23	1960096	2	WASHER
24	1704507	1	STRAP, Tube Support
25	1927428	2	TAPTITE, 1/4-20 x 3/8
26	1930642	5	LOCKNUT, Flange, 1/4-20 End Lock
27	1960399	1	SCREW, Rnd. Hd., #8-32 x 7/8
28	1960381	7	RIVET, Pop
29	1704075	1	SUPPORT, Tube (Incl. Ref. Nos. 22, 23, 24 & 27-31)
30	1704135	1	SEAL, Cover
31	1704508	3	BRACKET SEAL
32	1960400	1	SCREW, Self Tap, #10-12 x 5/8
33	1921319	1	WASHER, Plain, 1/4
34	1705876	1	CABLE, Double Loop
35	933886	1	NUT, Speed
36	1704180	2	WINDOW
37	1704405	1	DECAL, Safety
38	1667248	6	CLIP, Canoe

SAFETY DECAL

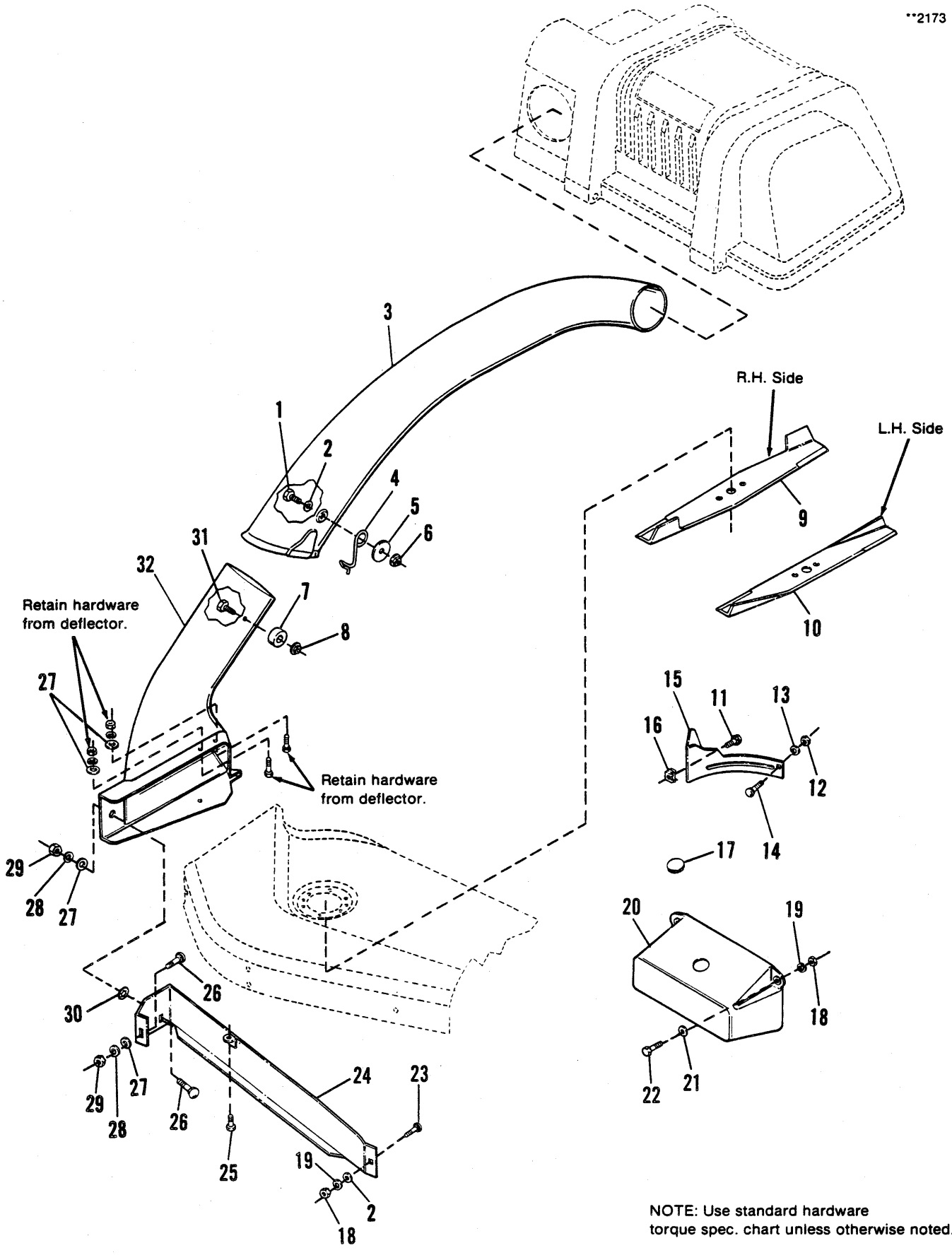


Ref. No. 37

**2174

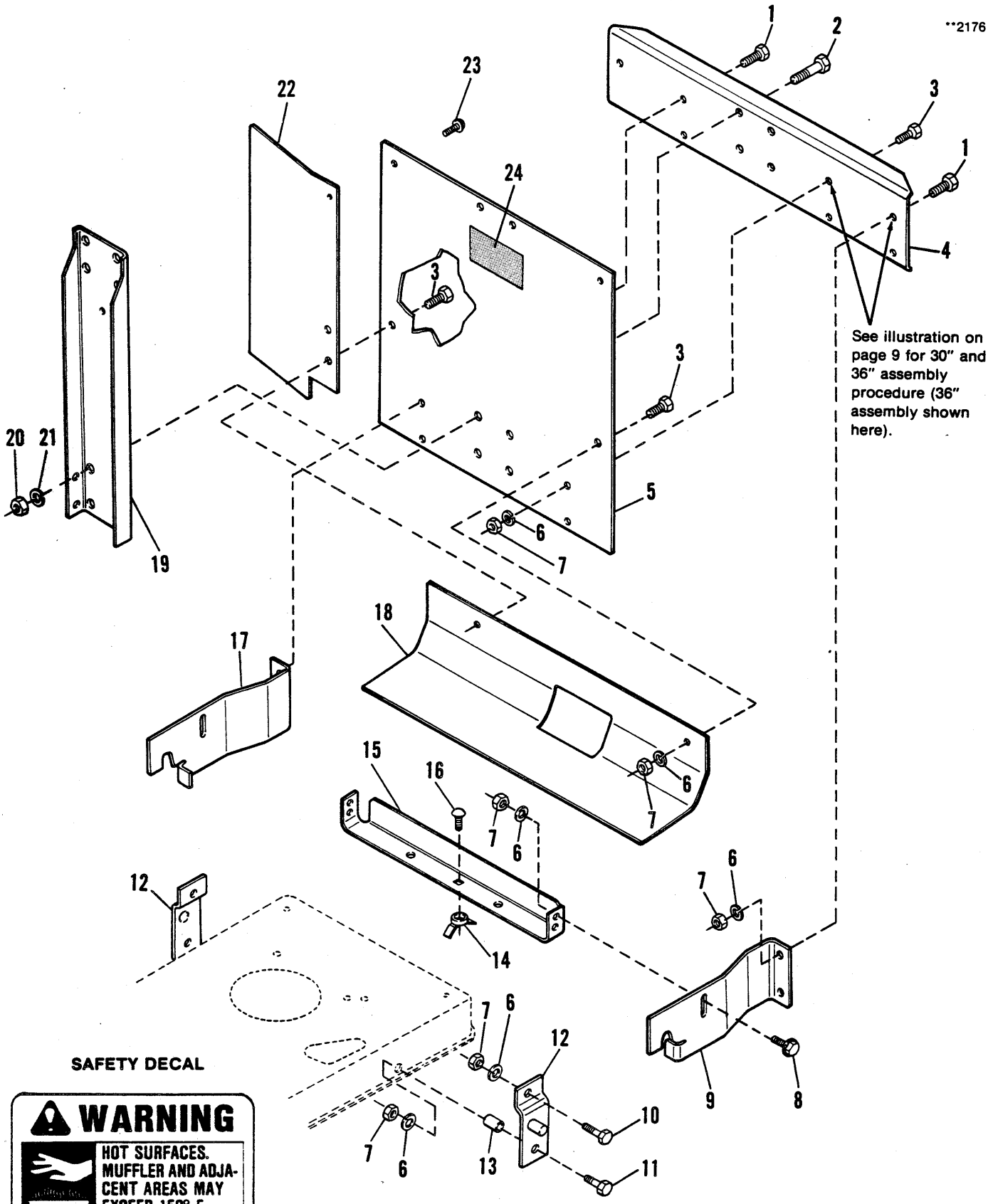


NOTE: Use standard hardware
torque spec. chart unless otherwise noted.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1960122	1	CAPSCREW, Hex Hd.
2	1919326	2	WASHER, Flat, 5/16
3	1703769	1	TRANSFER TUBE
4	1704603	1	LATCH, Tube
5	1960185	1	WASHER, Flat
6	1935048	1	NUT, Flange Lock
7	1704341	1	WASHER, Special
8	1924433	1	NUT, Esna, Hex Lock, 5/16-18
9	1671565	1	BLADE, R.H. Side (36" Mower)
10	1671593	1	BLADE, L.H. Side (36" Mower)
11	1931646	1	SCREW, Whizlock, 1/4-20 x 1/2
12	1916622	1	NUT, Hex, 1/4-20
13	1916964	1	LOCKWASHER, Spring, 1/4
14	1960252	1	CARRIAGE BOLT, 1/4-20 x 5/8
15	1672171	1	BAFFLE, Deflector Side
16	920462	1	NUT, Retainer, 1/4-20
17	1674020	1	PLUG, Hole
18	1917372	3	NUT, Hex, 5/16-18
19	1917356	3	LOCKWASHER, Spring, 5/16
20	1666739	1	COUNTERWEIGHT
21	1919381	2	WASHER, Plain
22	1921333	2	CAPSCREW, Hex Hd., 5/16-18 x 1
23	1931334	1	CARRIAGE BOLT, 5/16-18 x 7/8
24	1656053	1	BAFFLE ASSY., Discharge
25	1924856	1	SCREW, Taptite, 5/16-18 x 1/2
26	1931348	2	CARRIAGE BOLT, 3/8-16 x 3/4
27	1924940	4	WASHER, Flat, 3/8
28	1916965	2	WASHER, Lock Spring, 3/8
29	1916950	2	NUT, Hex, 3/8-16
30	931942	3	NUT, Push, 3/8
31	1960371	1	CAPSCREW, Hex Hd., 5/16-18 x 3/4
32	1705065	1	ADAPTER, 36" Mower



See illustration on page 9 for 30" and 36" assembly procedure (36" assembly shown here).

SAFETY DECAL

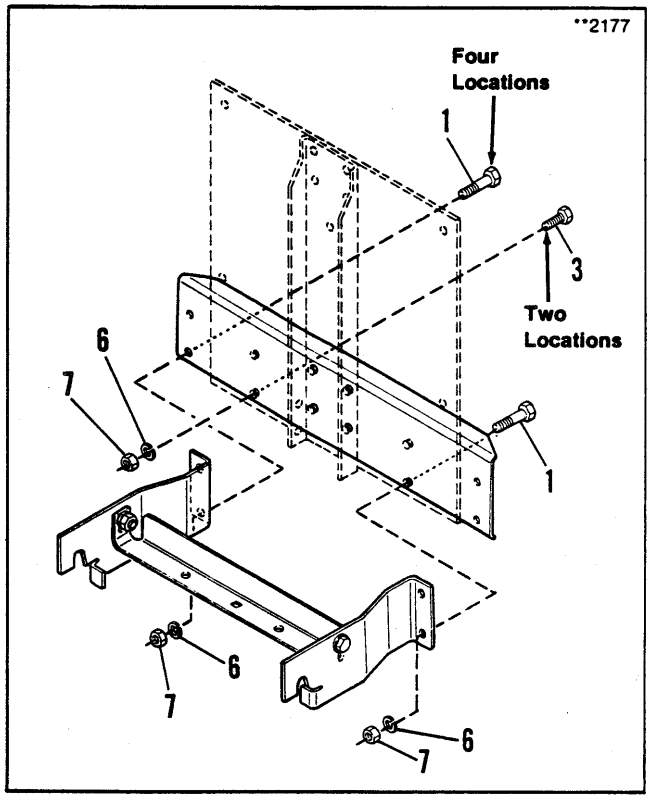
WARNING

HOT SURFACES. MUFFLER AND ADJACENT AREAS MAY EXCEED 150° F.

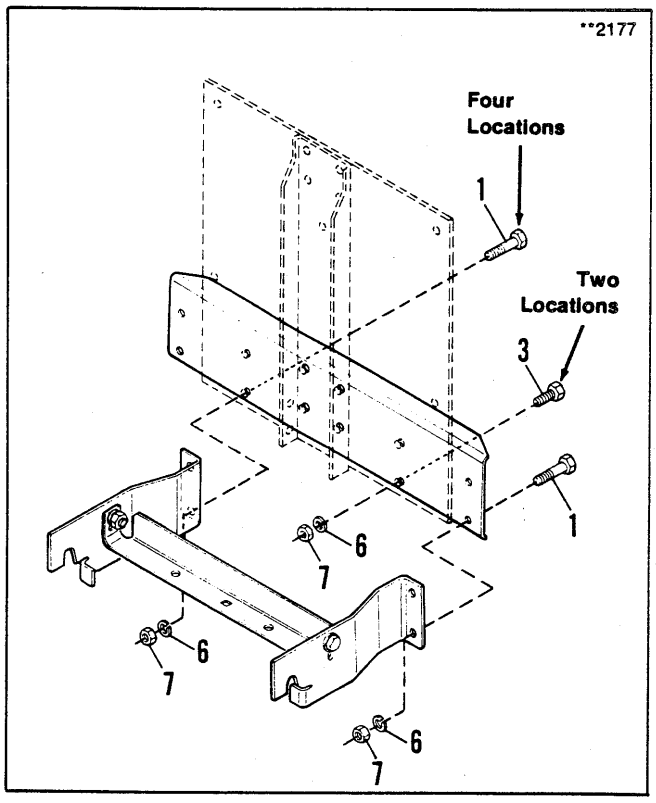
Ref. No. 24

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1921332	4	SCREW, Hex Hd., 5/16-18 x 3/4
2	1921210	4	CAPSCREW, Hex Hd., 3/8-16 x 1
3	1925205	4	CAPSCREW, Hex Hd., 5/16-18 x 5/8
4	1704353	1	CHANNEL, Cross
5	1704354	1	HEAT DEFLECTOR, Upper
6	1917356	16	LOCKWASHER, Spring, 5/16
7	1917372	16	NUT, Hex, 5/16
8	1930591	4	CAPSCREW, Hex, Flange Whizlock, 5/16-18 x 1/4
9	1677475	1	SUPPORT ASSY., L.H.
10	1921333	2	CAPSCREW, Hex Hd., 5/16-18 x 1
11	1921221	2	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
12	1673075	2	SUPPORT ASSY.
13	1665699	2	SPACER
14	933126	1	WING NUT, Lock, 5/16-18
15	1704318	1	BRACE, Lower
16	1931335	1	CARRIAGE BOLT, 5/16-18 x 1
17	1677476	1	SUPPORT ASSY., R.H.
18	1704020	1	HEAT DEFLECTOR, Lower
19	1703846	1	SUPPORT, Upright
20	1916950	4	NUT, Hex Hd., 3/8-16
21	1916965	4	LOCKWASHER, Spring, 3/8
22	1672652	1	HEAT DEFLECTOR, Side
23	1928729	2	SCREW, Taptite, 5/16 x 3/8
24	1676920	1	DECAL, Hot Surface

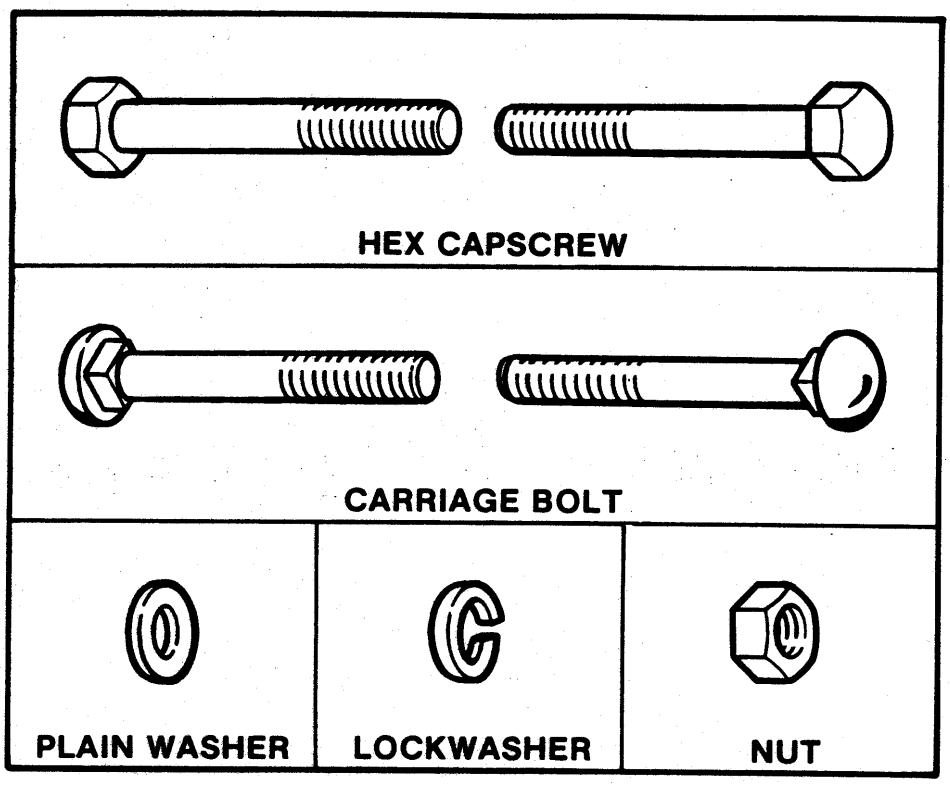


30" Assembly



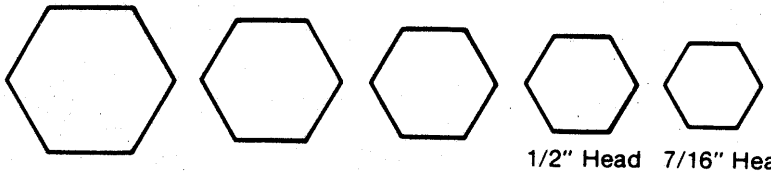
36" Assembly

STANDARD FASTENER IDENTIFICATION CHART



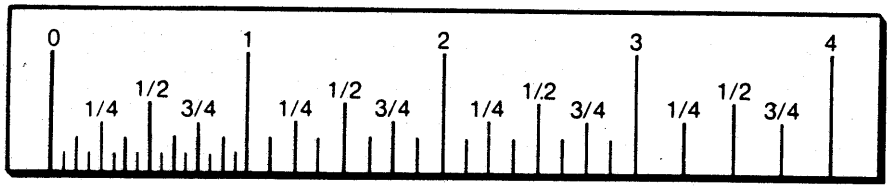
HEX CAPSCREW IDENTIFICATION

Shown below are actual size hex heads for standard screw sizes. Example: a 1/4" screw has a 7/16 head and thus requires a 7/16 wrench. To measure length, use the scale below.



3/4" Head screw with 1/2" S.D. | 5/8" Head screw with 7/16" S.D. | 9/16" Head screw with 3/8" S.D. | 1/2" Head screw with 5/16" S.D. | 7/16" Head screw with 1/4" S.D.

S.D. = Shaft Diameter



WASHER AND NUT IDENTIFICATION

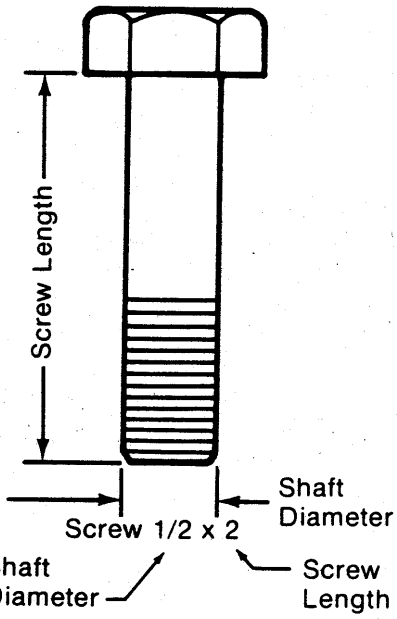
Place the washer or nut on the above scale to determine the inside diameter. The actual inside diameter can vary 1/16 inch. Use the scale for comparison.

Hardware sizes are given in the illustrations throughout this manual.

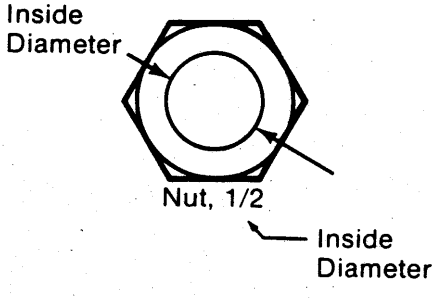
If a washer or nut is identified as "washer, 1/2" or "nut, 1/2", this means the inside diameter is 1/2 inch.

If a screw is identified as "screw, 1/2 x 2", this means the shaft diameter is 1/2 inch and the shaft of the screw is 2 inches long. If a screw is identified as "screw, 1/2-16 x 2", the number "16" means that the screw has 16 threads per inch.

SAMPLE: SCREW IDENTIFICATION



SAMPLE: NUT IDENTIFICATION



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